

GROUNDWATER MONITORING REPORT

ANNUAL EVENT

MARCH 2003

**BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA**

PREPARED FOR:

**BOEING REALTY CORPORATION
15480 LAGUNA CANYON ROAD, SUITE 200
IRVINE, CALIFORNIA**

MAY 27, 2003



BRC COPY

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29 May 03
C6-BRC-T-03-008

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013


BOEING Attention: John Geroch

Subject: **GROUNDWATER MONITORING REPORT ANNUAL EVENT,
MARCH 2003, BOEING REALTY CORPORATION, FORMER C-6
FACILITY, 19503 SOUTH NORMANDIE AVENUE, LOS ANGELES,
CA**

Dear Mr. Geroch:

Please find enclosed for your review, a copy of the subject document prepared by Haley & Aldrich for Boeing Realty Corporation.

If you have any questions concerning this document, please contact the undersigned at 562-593-8623.

Sincerely,



Robert P. Scott
Boeing Realty Corporation

Cc: Mario Stavale, Boeing Realty Corporation
Dwight Merriman, RREEF

enclosure

**GROUNDWATER MONITORING - ANNUAL EVENT
MARCH 2003
BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA**

by

**Haley & Aldrich, Inc.
San Diego, California**

for

**Boeing Realty Corporation
Long Beach, California**

**File No. 28882-101
May 27, 2003**



**GROUNDWATER MONITORING
ANNUAL EVENT – MARCH 2003**

**BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA**

Prepared for

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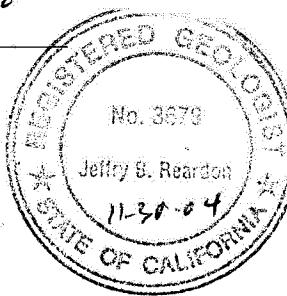
May 27, 2003

Prepared by

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1. INTRODUCTION

Haley & Aldrich, Inc. (H&A) has prepared this report on behalf of Boeing Realty Corporation (BRC) in order to document the Groundwater Monitoring Annual Event (2003 Annual event) conducted at the Former C-6 Facility in Los Angeles, California (Site).

The 2003 Annual event was conducted at the Site from March 24th to the 28th, 2003. The program included the following activities:

- Groundwater elevation measurements in 20 wells;
- Groundwater samples from 20 wells and subsequent analysis for volatile organic compounds (VOCs) by US Environmental Protection Agency (EPA) Method 8260B; and
- Monitored natural attenuation (MNA) parameter measurements in 20 wells for dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, conductivity, and temperature.

This report provides documentation and discussion of the 2003 Annual event.



2. SITE BACKGROUND

2.1 Site Location

The Site is located at 19503 South Normandie Avenue, in Los Angeles, California. The Site occupies approximately 170 acres in an area located between the cities of Torrance to the west, and Carson to the east.

The Site is bound on the north by 190th Street; on the east by Normandie Avenue; on the west by the former Industrial Light Metals (ILM) facility; and on the south by the former Montrose Chemicals facility and a residential area. A Site location plan is included as Figure 1; a Site plan as Figure 2.

2.2 Site History

The Site was reportedly used for the manufacturing of aircraft and aircraft parts for 40 years, between 1952 and 1992. Prior to that time, industrial use of the Site included aluminum and steel production. Before 1940, the Site was reportedly farmland. A limited amount of assembly and warehouse related activities continued through mid-2000. The Site is currently demolished, and in various stages of redevelopment.

Groundwater investigation activities began at the Site in 1987. Forty groundwater monitoring wells have been installed at the Site. Twenty of these 40 wells have since been removed as a result of redevelopment activities. Prefixes of Site groundwater monitoring wells include BL, DAC, WCC, TMW and XMW. Table I is a compilation of the groundwater monitoring well details.

2.3 Regional Geology and Hydrogeology

A description of the geology and hydrogeology of the region surrounding the Site is drawn from reports published by the U.S. Geological Survey (USGS) (Poland and others, 1959) and the California Department of Water Resources (DWR, 1961). Reference is also made to previous Site reports prepared by Kennedy/Jenks Consultants (Kennedy/Jenks Consultants, 2000).

The Site is located on a broad plain, at an approximate elevation of 52 feet above mean sea level (MSL). The DWR and USGS define this area as the Torrance Plain, a Pleistocene-age marine surface and subdivision of the West Coast Basin/Coastal Plain of Los Angeles and Orange Counties. The ground surface is generally flat, with an eastward gradient of approximately 20 feet per mile (less than one-half percent). Surface drainage is generally toward the Dominguez Channel, approximately one mile to the east. The Dominguez Channel flows southeastward toward the Los Angeles and Long Beach Harbors, in San Pedro Bay.

The West Coast Basin includes a thick sequence (up to 13,000 feet) of marine and continental sediments (Miocene to Recent) deposited in a broad synclinal depression over a basement complex of igneous and metamorphic rocks. The uppermost sequence of deposits of interest within the West Coast Basin is as follows:

| | |
|----------|---|
| Youngest | Active Dune Sand |
| ↑ | Alluvium |
| ↓ | Older Dune Sand |
| Oldest | Lakewood Formation (upper Pleistocene) |
| | San Pedro Formation (lower Pleistocene) |

The dune sands and alluvium are not present at the Site. The Lakewood Formation is mapped at the surface in the Site vicinity.

The Lakewood Formation (DWR, 1961) includes the upper Pleistocene deposits located in the sediments of the Los Angeles Coastal Plain area. These deposits are of marine and continental origin, and represent stream transport and sedimentation along the Pleistocene marine plain. In the Site area, the Lakewood Formation also may include the Semi-perched aquifer, the Bellflower Aquitard, and the Gage Aquifer. The Semi-perched aquifer includes deposits described as Terrace Cover (Poland and others, 1959). Based on correlations between Site stratigraphic and adjacent sites data, it appears that the Semi-perched aquifer is absent from the Site. The Bellflower Aquitard is a heterogeneous mixture of continental, marine, and wind-blown sediments, consisting mainly of clays with sandy and gravelly lenses (DWR, 1961). The elevation of the base of the Bellflower Aquitard is at about -100 feet MSL, or about 150 feet below ground surface (bgs) in the Site area. The Gage Aquifer is a water-bearing zone of fine to medium sand and gravel confined by the Bellflower Aquitard. It is reported to be approximately 40 feet thick in the Site area.

The Lakewood Formation is underlain by the Lower Pleistocene San Pedro Formation, which continues to approximately 1,000 feet bgs in the Site area. The major water-bearing zones within the San Pedro Formation are the Lynwood Aquifer and the Silverado Aquifer. These are reported in the Site area at approximately 300 and 500 feet bgs, respectively (DWR, 1961). The Silverado Aquifer is an important groundwater source in the Coastal Plain, and considered a source of drinking water (DWR, 1961).

2.4 Site Geology and Hydrogeology

2.4.1 Geology

Groundwater monitoring wells and soil borings drilled at the Site encountered the Lakewood Formation. Monitoring well borings were drilled from the ground surface to depths ranging from 79 to 140 feet bgs. The top 20 to 50 feet below the Site consisted of mainly fine-grained soils (predominantly silts and clays) that become thicker to the east. A sandy zone that dips downward to the east underlies the fine-grained soils. The sandy zone is generally 80 to 100 feet thick, and contains interbedded layers of fine-grained sediment that also dip down to the east.

2.4.2 Hydrogeology

Groundwater samples from monitoring wells at the Site have been collected and analyzed on a regular basis since 1987. The uppermost groundwater at the Site appears to be under water table conditions at elevations of approximately -12 to -16 feet MSL (64 to 68 feet bgs). Regionally, this upper most groundwater appears to be within relatively permeable sediments of the predominantly fine-grained Bellflower Aquitard. Most of the monitoring wells completed in the Bellflower Aquitard are at or near the water table, with screened depths ranging from approximately 58 to 91 feet bgs. Two deeper wells, WCC-1D and WCC-3D, were completed in a deeper zone with screened depths from approximately 120 to 140 feet bgs. Both of these wells have since been abandoned (Table I).

The following primary hydrogeologic units were recognized in the general vicinity of the Site:

| FORMATION | HYDROSTRATIGRAPHIC UNIT |
|---|--|
| <i>Lakewood Formation (Upper Pleistocene)</i> | Bellflower Aquitard |
| | Upper Bellflower Aquitard (UBF) |
| | Middle Bellflower Aquitard (MBF, MBFM, MBFC, MBFB/C) |
| | Lower Bellflower Aquitard (LBF) |
| <i>San Pedro (Lower Pleistocene)</i> | Gage Aquifer (GAGE) |
| | Gage Lynwood Aquifer (GLA) |
| | Lynwood Aquifer (LYNWOOD) |
| | Unnamed Aquifer |
| | Silverado Aquifer |

The relatively fine-grained Upper Bellflower Aquitard (UBF) is continuous across the area, but thins to the northwest. The UBF is comprised of laminated to massive yellowish brown muds, with local sands and fossiliferous zones. The UBF is found at the surface beneath the Site, and is approximately 70 feet thick. A generalized geologic cross-section is included as Figure 3.

The Middle Bellflower Aquitard (MBF) is a massive, light yellowish brown, fine to medium sand, with local muddy zones. An extensive mud layer, referred to as the Middle Bellflower Mud (MBFM), locally interrupts this sand. Where divided, the sand subunits are referred to as the B-Sand (MBFB) and C-Sand (MBFC). The top of the MBFB is found at an approximate elevation of -12 to -20 feet MSL (64 to 72 feet bgs) at the Site, and is generally from 25 feet to 40 feet thick. The MBFM is discontinuous across the area, and is comprised of laminated silts, layered silts, and very fine sands. Deeper borings at the former ILM facility and the Site do not always encounter the MBFM. The top of the MBFC is found at an approximate elevation of -45 to -55 feet MSL (97 to 107 feet bgs) at the Site (Figure 3).

The fine-grained Lower Bellflower Aquitard (LBF) is reported continuous across the area. The top of the LBF occurs at an approximate elevation of -62 to -98 feet MSL

(114 to 150 feet bgs), and ranges in thickness from 10 to 25 feet thick (Figure 3). The LBF separates the Bellflower sands from the underlying Gage Aquifer. The Gage Aquifer in the Site vicinity is predominantly sand, and ranges in thickness from 40 to 78 feet. No monitoring wells have been drilled into the Gage Aquifer at the Site (Kennedy/Jenks Consultants, 2000).

3. GROUNDWATER SAMPLING PROCEDURES

3.1 Monitoring Plans

The 2003 Annual event at the Site was conducted from March 24th to the 28th, 2003, by Tait Environmental Management, Inc. (TEM) field personnel. Work was conducted in accordance with the following documents:

- *Groundwater Monitoring Workplan 2003*, by Haley & Aldrich, Inc., dated 9 December 2002, approved by the Los Angeles Regional Water Quality Control Board (LARWQCB) on 23 January 2003.
- *Standard Operating Procedure, Groundwater Gauging and Sampling*, prepared by Tait Environmental Management, dated 9 September 2002.

Monitored natural attenuation sampling was conducted according to:

- *Standard Operating Procedures for Measuring Natural Attenuation Parameters at Boeing Realty Corporation Former C-6 Facility, Revision 1.0*, prepared by Haley & Aldrich, Inc. and England Geosystem Inc., dated January 9, 2001.

Activities performed during the Annual Groundwater Monitoring and Sampling event were as follows.

Groundwater Elevation Measurement

- Water levels were measured in 20 Site groundwater wells on the 24th and 25th of March 2003 (Table II).
- A groundwater elevation contour map was generated based on these measurements (Figure 4).

Well Purging, Sampling and Analysis

- At least 3 wetted casing volumes of water were purged with a submersible pump from each well.
- Purge water was monitored for pH, temperature, and specific conductivity stability.
- Purging was completed when a minimum of three wetted casing volumes were removed and three consecutive measurements of pH, temperature, and specific conductance were within 10% of each other, or after five casing volumes were purged.

- Groundwater samples were collected from the 20 wells with a submersible pump and analyzed for VOCs by EPA Method 8260B.
- QA/QC samples were also collected and analyzed for VOCs by EPA Method 8260B.

Monitored Natural Attenuation (MNA) Parameters

- MNA parameters (DO, ORP, and pH) were measured in the field.

3.2 Field Procedures

Field procedures for this sampling event are outlined in the documents listed previously in Section 3.1.

3.3 Sample Naming

Groundwater samples were labeled in the following format, in accordance with the Boeing Data Management Plan (DMP) prepared by CH2Mhill, and dated January 2002 (CH2MHill, 2002):

For example: WCC_5S_WG032503_0001

Where:

WCC_5S = the groundwater monitoring well name
WG = Groundwater sample
032503 = date the sample was collected (mmddyy)
0001 = the number of samples taken from the well

3.4 Groundwater Monitoring Program Variances

Groundwater monitoring wells WCC-4S, WCC-12S and XMW-09 were scheduled for sampling during the Annual Monitoring Event; however, due to Site redevelopment construction activities, the groundwater monitoring wells could not be accessed by the sampling crew and equipment. Redevelopment construction activities should be nearly complete this fall, and WCC-4S and WCC-12S will be scheduled for sampling during the Semi-Annual Monitoring Event in October 2003. XMW-9 is a Montrose Chemical Company monitoring well, and will be sampled once construction activities in this area of the Site are complete and access to the well is feasible, also expected in the fall of 2003 for the October Semi-Annual Event.

4. MONITORING AND SAMPLING RESULTS

4.1 Groundwater Elevations

Field sheets for the data collected by TEM are included in Appendix A. A summary of the groundwater elevations for the 2003 Annual event is presented in Table II.

During the 2003 Annual event, groundwater elevations at the Site ranged from -12.83 to -14.56 feet MSL, or approximately 65 feet bgs. Overall, groundwater elevations have increased up to approximately 0.39 feet compared to the values measured in September 2002, with the exception of well TMW-5, which decreased approximately 0.16 feet. Historic groundwater levels are presented in Table III and depicted in Figures 5a through 5i.

Figure 4 is a groundwater elevation contour map of the MBFB (B-Sand) water-bearing zone, generated using data collected from the 2003 Annual event. The average horizontal hydraulic gradient in the MBFB was calculated to be approximately 0.0008 to 0.0009 ft/ft to the south in March 2003, as compared to approximately 0.0010 to 0.0014 ft/ft to the south calculated for September 2002. Based on the groundwater elevation contours shown on Figure 4, the hydraulic gradient varies across the Site along the various flow vectors. The groundwater in the MBFB appears to generally flow in a southerly direction and converge on the Site.

Historic groundwater levels are presented in Table III. Hydrographs for the wells are included as Figures 5a through 5i. The low gradient is demonstrated in the hydrographs by the extremely close proximity of the hydrographs from individual wells.

4.2 Groundwater Quality

VOC Results

Results of VOC analysis by EPA Method 8260B for the 2003 Annual event, conducted in March 2003, are summarized in Table IV, and in Figures 6 through 9. Based on visual observations during well sampling, TEM recorded no indications of dense non-aqueous phase liquid (DNAPL) in any of the sampled wells. Based on a review of previous monitoring reports, general plume geometries for trichloroethene (TCE) and 1,1-dichloroethene (1,1-DCE) appear to be generally unchanged since 1999 (Haley & Aldrich, Inc. and England Geosystem Inc., 2001b and 2001c and Haley & Aldrich, Inc., June 2002 and November 2002).

Figure 6 shows the dissolved-phase TCE concentrations in the MBFB. TCE concentrations in groundwater samples have either generally decreased (some significantly) or minimally increased (less than 20%) in 16 of the 20 wells, compared to the September 2002 sampling event; however, TCE concentrations notably increased in samples from 4 of the 20 wells:

- TMW-1, from 520 to 860 µg/l;
- TMW-2, from 8,400 to 14,000 µg/l;

- TMW-9, from 260 to 900 µg/l; and
- WCC-5S, from 1.5 to 3.6 µg/l.

Noteworthy decreases (greater than 20% variation from the previous sampling event) in TCE concentrations were observed in the samples collected from DAC-P1 (from 18,000 to 13,000 µg/l) and WCC-6S (from 2,000 to 400 µg/l). Concentration vs. time graphs for TCE in wells are included as Figures 7a through 7g.

Figure 8 shows the dissolved-phase 1,1-DCE concentrations in the MBFB. 1,1-DCE concentrations in groundwater samples have generally stayed the same or decreased in the monitored wells, with the following exceptions:

- TMW-4, from 660 to 1,200 µg/l;
- TMW-7, from 390 to 560 µg/l;
- TMW-8, from 3,100 to 3,900 µg/l; and
- TMW-9, from 35 to 240 µg/l.

It is important to note that 1,1-DCE has not been detected at DAC-P1, TMW-10, TMW-11 and TMW-14. Concentration vs. time graphs for 1,1-DCE in wells are included as Figures 9a through 9g.

Six wells were reported to have detectable concentrations of tetrachloroethene (PCE) up to 21 µg/l (BL-3). Five of the six samples with detected PCE concentrations are less than 6 µg/l; three of these concentrations were at low levels that could not be quantified by the laboratory, and are noted in Table IV with a "J" flag.

Concentrations of 1,1,1-trichloroethane (1,1,1-TCA) were not detected in 17 of the 20 wells sampled, and decreased in samples from the following three wells:

- TMW-2, from 1,400 to 1,300 µg/l;
- WCC-3S, from 670 to 96J µg/l; and
- WCC-6S, from 780 to 210 µg/l.

As in previous sampling events, some minor occurrences of VOCs other than those described above were detected, and are tabulated on Table IV. These VOCs occurrences included cis-1,2-DCE, chloroform, benzene, methyl ethyl ketone (MEK) and toluene, and are discussed below.

- Cis-1,2-DCE concentrations in groundwater generally remained the same (20% variances or less) in the 20 wells sampled, except in the following two wells: TMW-2 (from 14,000 to 4,700 µg/l) and WCC-3S (from 3,800 to 910 µg/l). These values are within the historical range of fluctuation for each well, as shown on Table V.

- Chloroform concentrations in groundwater samples generally remained the same (less than 20% variances) in the 20 wells sampled, except in the following two wells: TMW-2 and WCC-9S. Chloroform decreased in well TMW-2, from 240 to 110 µg/l, and in well WCC-9S, from 24 to 12 µg/l. These values are within historical range of fluctuation for each well, as shown on Table V.
- Benzene concentrations in groundwater samples generally remained the same or decreased, except in well WCC-3S. Well WCC-3S was reported to have a benzene concentration that could not be quantified by the laboratory (46J µg/l). Benzene was not detected in well WCC-3S in the previous sampling event (< 620 µg/l).
- MEK (2-butanone) was only detected in well TMW-14, at a concentration of 5.6 µg/l. In well TMW-2, MEK decreased from 140,000 µg/l to below laboratory detection limits (< 1,200 µg/l) in March 2003. Well TMW-2 demonstrated a similar concentration change during the 2002 annual sampling event.
- Toluene concentrations remained high in three wells (Table V). WCC-3S, decreased from 43,000 to 9,600 µg/l; WCC-6S, increased from 2,500 to 7,700 µg/l; TMW-2, decreased from 5,200 to 710 µg/l.

Field MNA Parameters

Field monitoring of DO, ORP, and pH was conducted during the March 2003 monitoring and sampling event. A summary of the March 2003 MNA parameters is included in Table VI, and on the Field Data Sheets in Appendix A. These parameters are generally similar to the March 2002 annual sampling event data, and suggest that in-situ conditions have not changed. The distribution of DO and ORP suggests evidence of intrinsic biotransformation of VOCs in the potential source area near former Buildings 1, 2 and 36, as well as along the southern property boundary. It appears that DO has been depleted within the areas of TCE and 1,1-DCE-impacted groundwater. ORP is negative within the Building 1/36 area (WCC-3S and WCC-6S), suggesting anaerobic reducing conditions.

5. QUALITY ASSURANCE/QUALITY CONTROL

5.1 Field Quality Control Samples

5.1.1 Field Duplicates

Two duplicate groundwater samples were analyzed for VOC concentrations from wells BL-3 and XMW-19. These results are included in Table IV. Duplicate laboratory data can be used to measure how well replicate measurements reproduce, and also to estimate overall method precision. Relative percent difference (RPD) is a measure of precision, and is calculated as follows:

$$\text{(Result 1} - \text{Result 2}) / \frac{1}{2} (\text{Result 1} + \text{Result 2}) * 100\%$$

The RPD will often vary with the concentration of analyte; RPD lessening as the concentration increases. If the variation is greater than plus or minus 15%, but less than 100%, the reported concentrations are up to standard. If the variation is greater than 100%, the data is subject to further evaluation (i.e., comparison with historic data from the well). The data from BL-3 and the BL-3 duplicate and from XMW-19 and the XMW-19 duplicate were reported to have RPDs less than or equal to 30%, which indicates that the reported concentrations are up to standard.

5.1.2 Equipment Rinsate Blanks

Two equipment rinsate blanks were collected during the sampling event after cleaning the sampling equipment with deionized water. These rinsate samples were analyzed for VOCs by EPA Method 8260B. VOCs were not detected in any of the equipment blank samples.

5.1.3 Field Blanks

Two field blanks were collected during the sampling event with laboratory-supplied water to check for contamination by sampling methodology. These field blank samples were analyzed for VOCs by EPA Method 8260B. An estimated concentration of acetone (3.3J $\mu\text{g/l}$) was detected below the contracting laboratory reporting limit (10 $\mu\text{g/l}$) in one of the field blanks, as shown on Table IV.

5.1.4 Trip Blanks

One laboratory-prepared trip blank was shipped to the laboratory each day to check for cross-contamination. The samples were analyzed for VOCs by EPA Method 8260B. Estimated concentrations of acetone (5.3J and 5.1J $\mu\text{g/l}$) were detected below the contracting laboratory reporting limit (10 $\mu\text{g/l}$) in two of the trip blanks. Concentrations of 2-butanone, methylene chloride and tetrahydrofuran were also

reported in one of the trip blanks at concentrations of 39, 0.34J and 36 µg/l, respectively, as shown in Table IV.

5.1.5 Data Validation and Laboratory QA/QC Samples

Final laboratory-certified reports and laboratory quality control procedures are included on the compact disc (CD) as Appendix B.

Tier II data validation was performed on 10% of the samples; Tier III data validation on 5% of the samples. Based on the data validation results, the data collected during this event is adequate for continued characterization and monitoring of VOCs in groundwater beneath the Site. Data validation results are provided in Appendix C. Appropriate data qualifiers, as determined by Laboratory Data Consultants, Inc. (LDC) (data validation subcontractor), have been included where appropriate.

6. LIMITATIONS

The limitations of this report are included as Appendix D.

REFERENCES

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11. Tait Environmental Management, Inc., 2001. "Boeing Realty Corporation, Former C-6 Facility, Groundwater Monitoring Services, Standard Operating Procedures." January 11, 2001.

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Tables

TABLES

Table I
Well Information
Boeing Realty Corporation Former C-6 Facility

| Name | Easting ¹ | Northing ¹ | Top of Casing Elevation (AMSL) ² | Boring Total Depth (feet) | Screen Interval (feet) | Depth to Top of Filter Pack (feet) | Casing Diameter (inches) | Casing Type | Slot Size | Drilled Date |
|----------|----------------------|-----------------------|---|---------------------------|------------------------|------------------------------------|--------------------------|--------------|------------|--------------|
| WCC-1S* | 12738.89 | 13194.04 | 50.74 | 91 | 77-87 | 75 | 2 | Sched 40 PVC | 0.020-Inch | 3/25/1987 |
| WCC-1D* | 12739.11 | 13181.09 | 50.69 | 140 | 120-140 | 114 | 4 | Sched 40 PVC | 0.010-Inch | 6/30/1989 |
| WCC-2S* | 12234.27 | 13451.60 | 50.83 | 91 | 70-90 | 63 | 4 | Sched 40 PVC | 0.010-Inch | 10/28/1987 |
| WCC-3S | 12608.52 | 13238.90 | 51.12 | 92 | 69-89 | 64 | 4 | Sched 40 PVC | 0.010-Inch | 10/26/1987 |
| WCC-3D* | 12583.61 | 13265.87 | 51.11 | 140 | 120-140 | 115 | 4 | Sched 40 PVC | 0.010-Inch | 6/27/1989 |
| WCC-4S | 12741.35 | 13075.30 | 49.62 | 92 | 70.5-90.5 | 65 | 4 | Sched 40 PVC | 0.010-Inch | 10/27/1987 |
| WCC-5S | 12963.90 | 12998.70 | 48.79 | 91 | 61-91 | 64 | 4 | Sched 40 PVC | 0.010-Inch | 11/24/1987 |
| WCC-6S | 12580.24 | 12953.10 | 51.30 | 91 | 60-90 | 54 | 4 | Sched 40 PVC | 0.010-Inch | 9/22/1989 |
| WCC-7S | 12730.37 | 12868.65 | 50.20 | 91 | 60-90 | 54 | 4 | Sched 40 PVC | 0.010-Inch | 6/8/1989 |
| WCC-8S* | 12737.33 | 13318.92 | 50.87 | 90 | 59.5-89.5 | 54 | 4 | Sched 40 PVC | 0.010-Inch | 6/12/1989 |
| WCC-9S | 12928.87 | 12627.94 | 46.85 | 92 | 60-90 | 55 | 4 | Sched 40 PVC | 0.010-Inch | 9/21/1989 |
| WCC-10S* | 11138.90 | 14038.98 | 58.17 | 91 | 60-90 | 54 | 4 | Sched 40 PVC | 0.010-Inch | 6/7/1989 |
| WCC-11S* | 12744.01 | 13870.68 | 51.34 | 91 | 60-90 | 56 | 4 | Sched 40 PVC | 0.010-Inch | 9/13/1990 |
| WCC-12S | 12749.26 | 12715.21 | 46.92 | 92 | 60-90 | 55 | 4 | Sched 40 PVC | 0.010-Inch | 9/17/1990 |
| DAC-P1 | 11194.86 | 12988.63 | 52.75 | 90 | 60-90 | 55 | 4 | Sched 40 PVC | 0.010-Inch | 9/25/1989 |
| TMW-1 | 12212.00 | 13143.49 | 56.46 | 91 | 66-86 | 64 | 2 | Sched 40 PVC | 0.010-Inch | 6/28/1998 |
| TMW-2 | 12478.09 | 13161.38 | 56.38 | 92 | 67-87 | 62 | 2 | Sched 40 PVC | 0.010-Inch | 6/28/1998 |
| TMW-3* | 11909.54 | 12315.47 | 51.36 | 87 | 62.5-82.5 | 60 | 2 | Sched 40 PVC | 0.010-Inch | 7/21/1998 |
| TMW-4 | 12498.69 | 12334.70 | 52.18 | 84 | 58-78 | 56 | 2 | Sched 40 PVC | 0.010-Inch | 6/30/1998 |
| TMW-5 | 12038.44 | 11931.45 | 53.32 | 89 | 64-84 | 63 | 2 | Sched 40 PVC | 0.010-Inch | 7/2/1998 |
| TMW-6 | 12552.93 | 11936.32 | 56.30 | 93 | 67-87 | 66 | 2 | Sched 40 PVC | 0.010-Inch | 7/1/1998 |
| TMW-7 | 12560.70 | 12701.25 | 52.52 | 91 | 65-85 | 63 | 2 | Sched 40 PVC | 0.010-Inch | 6/29/1998 |
| TMW-8 | 12571.93 | 12812.42 | 53.99 | 90 | 61-81 | 59 | 2 | Sched 40 PVC | 0.010-Inch | 6/29/1998 |
| TMW-9 | 12344.53 | 12740.05 | 52.75 | 85 | 60-80 | 58 | 2 | Sched 40 PVC | 0.010-Inch | 6/30/1998 |
| TMW-10 | 12968.14 | 12170.61 | 47.48 | 85 | 60.5-80.5 | 58 | 2 | Sched 40 PVC | 0.010-Inch | 1/28/1999 |
| TMW-11 | 12968.08 | 11423.04 | 47.41 | 83 | 58-78 | 55 | 2 | Sched 40 PVC | 0.010-Inch | 2/1/1999 |
| TMW-12* | 12529.43 | 11402.90 | 51.67 | 89 | 63-83 | 60 | 2 | Sched 40 PVC | 0.010-Inch | 1/27/1999 |
| TMW-13* | 11973.10 | 11416.11 | 50.89 | 85 | 60-80 | 58 | 2 | Sched 40 PVC | 0.010-Inch | 2/2/1999 |
| TMW-14 | 11797.06 | 11416.11 | 58.16 | 90 | 65-85 | 63 | 2 | Sched 40 PVC | 0.010-Inch | 2/3/1999 |
| TMW-15 | 11800.22 | 12165.10 | 55.23 | 92 | 62-87 | 60 | 2 | Sched 40 PVC | 0.010-Inch | 2/4/1999 |
| TMW-16* | 11887.57 | 12904.74 | 55.73 | 88 | 61.5-81.5 | 60 | 2 | Sched 40 PVC | 0.010-Inch | 1/29/1999 |
| TMW-17* | 11533.67 | 12604.45 | - | 87 | 62-82 | 59 | 2 | Sched 40 PVC | 0.010-Inch | 5/10/1999 |

Table I
Well Information
Boeing Realty Corporation Former C-6 Facility

| Name | Easting ¹ | Northing ¹ | Top of Casing Elevation (AMSL) ² | Boring Total Depth (feet) | Screen Depth Interval (feet) | Depth to Top of Filter Pack (feet) | Casing Diameter (inches) | Casing Type | Slot Size | Drilled Date |
|----------------|----------------------|-----------------------|---|---------------------------|------------------------------|------------------------------------|--------------------------|--------------|------------|--------------|
| BL-1* | 11218.52 | 13450.56 | 58.34 | 82 | 61.5-81.5 | 57 | 2 | Sched 40 PVC | 0.010-Inch | 2/2/1999 |
| BL-2* | 11202.12 | 12546.32 | 58.15 | 82 | 61.5-81.5 | 57 | 2 | Sched 40 PVC | 0.010-Inch | 2/3/1999 |
| BL-3 | 11207.79 | 11961.46 | 56.48 | 79 | 59-79 | 56 | 2 | Sched 40 PVC | 0.010-Inch | 2/8/1999 |
| BL-4* | 11333.09 | 11087.39 | - | 79 | 58-78 | 55 | 2 | Sched 40 PVC | 0.010-Inch | 2/16/1999 |
| BL-5* | 11397.77 | 13550.72 | - | 79 | 58-78 | 55 | 2 | Sched 40 PVC | 0.010-Inch | 2/4/1999 |
| BL-6* | 11547.74 | 13063.70 | - | 79 | 58-78 | 55 | 2 | Sched 40 PVC | 0.010-Inch | 2/4/1999 |
| BL-7* | 11569.25 | 12295.45 | - | 79 | 58-78 | 54 | 2 | Sched 40 PVC | 0.010-Inch | 2/8/1999 |
| BL-8* | 11546.23 | 11321.84 | - | 81 | 60-80 | 57 | 2 | Sched 40 PVC | 0.010-Inch | 2/16/1999 |
| Montrose Wells | | | | | | | | | | |
| XMW-09 | 12,654 | 11148.11 | 53.67 | - | 66-81 | - | 4 | - | - | 5/9/1989 |
| XMW-18* | 12,287 | 11426.42 | 50.34 | - | 68-83 | - | 4 | - | - | 3/29/1990 |
| XMW-19 | 12,968 | 11757.92 | 46.53 | - | 63-79 | - | 4 | - | - | 3/30/1990 |

1 Local coordinate system (feet)

2 AMLS = Above Mean Sea Level - Wells were surveyed March 19, 2002 & September 13, 2002 by Tait & Associates.

* Indicates abandoned well.

QA/QC: BB
Date 5/27/03

Table II
Groundwater Elevations - March 2003
Boeing Realty Corporation Former C-6 Facility

| Well | Date Measured | Reference Elevation (feet AMSL) ¹ | Total Depth (feet) | Depth to Water (feet) | Ground Water Elevation (feet AMSL) |
|---------|---------------|---|-----------------------|--------------------------|---------------------------------------|
| WCC-3S | 3/25/2003 | 51.12 | 91.20 | 64.46 | -13.34 |
| WCC-4S | 3/24/2003 | 49.62 | 89.90 | ** | ** |
| WCC-5S | 3/24/2003 | 48.79 | 90.22 | 62.13 | -13.34 |
| WCC-6S | 3/25/2003 | 51.30 | 88.81 | 64.58 | -13.28 |
| WCC-7S | 3/24/2003 | 50.20 | 90.56 | 63.72 | -13.52 |
| WCC-9S | 3/25/2003 | 46.85 | 89.57 | 60.51 | -13.66 |
| WCC-12S | 3/25/2003 | 46.92 | 90.59 | ** | ** |
| DAC-P1 | 3/24/2003 | 52.75 | 90.62 | 65.58 | -12.83 |
| TMW-1 | 3/24/2003 | 56.46 | 80.16 | 69.84 | -13.38 |
| TMW-2 | 3/25/2003 | 56.38 | 80.03 | 69.79 | -13.41 |
| TMW-4 | 3/24/2003 | 52.18 | 78.53 | 66.27 | -14.09 |
| TMW-5 | 3/24/2003 | 53.32 | 80.18 | 67.57 | -14.25 |
| TMW-6 | 3/24/2003 | 56.30 | 79.95 | 70.67 | -14.37 |
| TMW-7 | 3/24/2003 | 52.52 | 82.32 | 66.24 | -13.72 |
| TMW-8 | 3/24/2003 | 53.99 | 79.90 | 67.69 | -13.70 |
| TMW-9 | 3/24/2003 | 52.75 | --- | 66.56 | -13.81 |
| TMW-10 | 3/24/2003 | 47.48 | 78.22 | 61.52 | -14.04 |
| TMW-11 | 3/24/2003 | 47.41 | 78.39 | 61.97 | -14.56 |
| TMW-14 | 3/24/2003 | 58.16 | 88.32 | 72.61 | -14.45 |
| TMW-15 | 3/24/2003 | 55.23 | 87.82 | 68.90 | -13.67 |
| BL-3 | 3/24/2003 | 56.48 | 82.00 | 70.35 | -13.87 |
| XMW-09 | 3/24/2003 | 53.67 | --- | ** | ** |
| XMW-19 | 3/24/2003 | 46.53 | --- | 60.87 | -14.34 |

Notes:

Depth to Water measurements taken from top of monitoring well casing

1. AMSL = Above Mean Sea Level - Wells were surveyed March 19, 2002 & September 13, 2002 by Tait & Associates.

--- = Not available

** Well was inaccessible during annual sampling event

QA/QC: BB
Date 5/27/03

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| BL-1 | 3/6/1999 | 58.34 | 70.75 | -12.41 |
| BL-1 | 7/12/1999 | 58.34 | 70.72 | -12.38 |
| BL-1 | 1/14/2000 | 58.34 | 71.04 | -12.70 |
| BL-1 | 6/20/2000 | 58.34 | 71.20 | -12.86 |
| BL-1 | 1/15/2001 | 58.34 | 71.41 | -13.07 |
| BL-1 | 7/16/2001 | 58.34 | 71.03 | -12.69 |
| BL-2 | 3/6/1999 | 58.15 | 71.47 | -13.32 |
| BL-2 | 7/12/1999 | 58.15 | 71.32 | -13.17 |
| BL-2 | 1/14/2000 | 58.15 | 71.55 | -13.40 |
| BL-2 | 6/20/2000 | 58.15 | 71.66 | -13.51 |
| BL-2 | 1/15/2001 | 58.15 | 71.91 | -13.76 |
| BL-3 | 3/6/1999 | 59.33 | 73.22 | -13.89 |
| BL-3 | 7/12/1999 | 59.33 | 73.16 | -13.83 |
| BL-3 | 1/14/2000 | 59.33 | 73.41 | -14.08 |
| BL-3 | 6/20/2000 | 59.33 | 73.58 | -14.25 |
| BL-3 | 1/15/2001 | 59.33 | 73.70 | -14.37 |
| BL-3 | 3/21/2002 | 56.48 | 70.25 | -13.77 |
| BL-3 | 9/13/2002 | 56.48 | 70.42 | -13.94 |
| BL-3 | 3/24/2003 | 56.48 | 70.35 | -13.87 |
| BL-4 | 3/6/1999 | NA | NA | -14.51 |
| BL-4 | 7/12/1999 | NA | NA | -14.43 |
| BL-4 | 1/14/2000 | NA | NA | -15.11 |
| BL-5 | 3/6/1999 | NA | NA | -12.52 |
| BL-5 | 7/12/1999 | NA | NA | -12.53 |
| BL-5 | 1/14/2000 | NA | NA | -12.87 |
| BL-6 | 3/6/1999 | NA | NA | -12.92 |
| BL-6 | 7/12/1999 | NA | NA | -12.83 |
| BL-6 | 1/14/2000 | NA | NA | -13.15 |
| BL-7 | 3/6/1999 | NA | NA | -13.57 |
| BL-7 | 7/12/1999 | NA | NA | -13.44 |
| BL-7 | 1/14/2000 | NA | NA | -14.41 |
| BL-8 | 3/6/1999 | NA | NA | -14.27 |
| BL-8 | 7/12/1999 | NA | NA | -14.29 |
| BL-8 | 1/14/2000 | NA | NA | -14.55 |
| DAC-P1 | 6/15/1992 | 52.75 | 70.51 | -17.76 |
| DAC-P1 | 9/21/1992 | 52.75 | 70.63 | -17.88 |
| DAC-P1 | 1/5/1993 | 52.75 | 70.77 | -18.02 |
| DAC-P1 | 4/9/1993 | 52.75 | 70.21 | -17.46 |
| DAC-P1 | 6/7/1993 | 52.75 | 70.13 | -17.38 |
| DAC-P1 | 8/24/1993 | 52.75 | 69.78 | -17.03 |
| DAC-P1 | 11/18/1993 | 52.75 | 69.51 | -16.76 |
| DAC-P1 | 2/23/1994 | 52.75 | 69.49 | -16.74 |
| DAC-P1 | 6/10/1994 | 52.75 | 69.35 | -16.60 |
| DAC-P1 | 9/8/1994 | 52.75 | 69.23 | -16.48 |
| DAC-P1 | 12/21/1994 | 52.75 | 69.00 | -16.25 |
| DAC-P1 | 3/13/1995 | 52.75 | 69.16 | -16.41 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| DAC-P1 | 6/12/1995 | 52.75 | 68.69 | -15.94 |
| DAC-P1 | 9/20/1995 | 52.75 | 68.41 | -15.66 |
| DAC-P1 | 12/12/1995 | 52.75 | 68.41 | -15.66 |
| DAC-P1 | 2/29/1996 | 52.75 | 68.15 | -15.40 |
| DAC-P1 | 6/6/1996 | 52.75 | 67.77 | -15.02 |
| DAC-P1 | 9/18/1996 | 52.75 | 67.63 | -14.88 |
| DAC-P1 | 12/18/1996 | 52.75 | 67.42 | -14.67 |
| DAC-P1 | 5/6/1997 | 52.75 | 66.95 | -14.20 |
| DAC-P1 | 7/1/1997 | 52.75 | 66.78 | -14.03 |
| DAC-P1 | 7/22/1997 | 52.75 | 66.76 | -14.01 |
| DAC-P1 | 8/4/1997 | 52.75 | 66.73 | -13.98 |
| DAC-P1 | 8/19/1997 | 52.75 | 66.66 | -13.91 |
| DAC-P1 | 9/3/1997 | 52.75 | 66.68 | -13.93 |
| DAC-P1 | 9/16/1997 | 52.75 | 66.66 | -13.91 |
| DAC-P1 | 7/14/1998 | 52.75 | 66.03 | -13.28 |
| DAC-P1 | 3/6/1999 | 52.75 | 65.62 | -12.87 |
| DAC-P1 | 7/12/1999 | 52.75 | 65.47 | -12.72 |
| DAC-P1 | 6/20/2000 | 52.75 | 65.76 | -13.01 |
| DAC-P1 | 3/21/2002 | 52.75 | 65.52 | -12.77 |
| DAC-P1 | 9/13/2002 | 52.75 | 65.64 | -12.89 |
| DAC-P1 | 3/24/2003 | 52.75 | 65.58 | -12.83 |
| TMW-1 | 7/14/1998 | 51.24 | 64.65 | -13.41 |
| TMW-1 | 9/22/1998 | 51.24 | 64.80 | -13.56 |
| TMW-1 | 10/16/1998 | 51.24 | 64.61 | -13.37 |
| TMW-1 | 3/6/1999 | 51.24 | 64.76 | -13.52 |
| TMW-1 | 7/12/1999 | 51.24 | 64.48 | -13.24 |
| TMW-1 | 6/20/2000 | 51.24 | 64.89 | -13.65 |
| TMW-1 | 1/15/2001 | 51.24 | 65.00 | -13.76 |
| TMW-1 | 7/16/2001 | 51.24 | 64.55 | -13.31 |
| TMW-1 | 3/21/2002 | 56.51 | 69.57 | -13.06 |
| TMW-1 | 9/13/2002 | 56.46 | 69.97 | -13.51 |
| TMW-1 | 3/24/2003 | 56.46 | 69.84 | -13.38 |
| TMW-2 | 7/14/1998 | 51.18 | 64.60 | -13.42 |
| TMW-2 | 9/22/1998 | 51.18 | 64.67 | -13.49 |
| TMW-2 | 10/16/1998 | 51.18 | 64.58 | -13.40 |
| TMW-2 | 3/6/1999 | 51.18 | 64.59 | -13.41 |
| TMW-2 | 7/12/1999 | 51.18 | 64.48 | -13.30 |
| TMW-2 | 6/20/2000 | 51.18 | 64.64 | -13.46 |
| TMW-2 | 1/15/2001 | 51.18 | 64.93 | -13.75 |
| TMW-2 | 7/16/2001 | 51.18 | 64.52 | -13.34 |
| TMW-2 | 3/21/2002 | 56.42 | 69.55 | -13.13 |
| TMW-2 | 9/13/2002 | 56.38 | 69.89 | -13.51 |
| TMW-2 | 3/25/2003 | 56.38 | 69.79 | -13.41 |
| TMW-3 | 7/14/1998 | 51.07 | 65.24 | -14.17 |
| TMW-3 | 9/22/1998 | 51.07 | 65.25 | -14.18 |
| TMW-3 | 10/16/1998 | 51.07 | 65.13 | -14.06 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|-------|----------------|----------------------------|-----------------------|----------------------------------|
| TMW-3 | 3/6/1999 | 51.07 | 65.21 | -14.14 |
| TMW-3 | 7/12/1999 | 51.07 | 64.98 | -13.91 |
| TMW-3 | 6/20/2000 | 51.07 | 65.19 | -14.12 |
| TMW-3 | 1/15/2001 | 51.07 | 65.41 | -14.34 |
| TMW-3 | 7/16/2001 | 51.07 | 64.93 | -13.86 |
| TMW-3 | 3/21/2002 | 51.36 | 65.06 | -13.70 |
| TMW-3 | 9/13/2002 | 51.36 | 65.25 | -13.89 |
| TMW-4 | 7/14/1998 | 50.35 | 64.75 | -14.40 |
| TMW-4 | 9/22/1998 | 50.35 | 64.78 | -14.43 |
| TMW-4 | 10/16/1998 | 50.35 | 64.61 | -14.26 |
| TMW-4 | 3/6/1999 | 50.35 | 64.63 | -14.28 |
| TMW-4 | 7/12/1999 | 50.35 | 64.38 | -14.03 |
| TMW-4 | 6/20/2000 | 50.35 | 64.61 | -14.26 |
| TMW-4 | 1/15/2001 | 50.35 | 64.87 | -14.52 |
| TMW-4 | 7/16/2001 | 50.35 | 64.45 | -14.10 |
| TMW-4 | 3/21/2002 | 52.27 | 68.18 | -15.91 |
| TMW-4 | 9/13/2002 | 52.18 | 66.44 | -14.26 |
| TMW-4 | 3/24/2003 | 52.18 | 66.27 | -14.09 |
| TMW-5 | 7/14/1998 | 50.12 | 64.74 | -14.62 |
| TMW-5 | 9/22/1998 | 50.12 | 64.79 | -14.67 |
| TMW-5 | 10/16/1998 | 50.12 | 64.60 | -14.48 |
| TMW-5 | 3/6/1999 | 50.12 | 64.71 | -14.59 |
| TMW-5 | 7/12/1999 | 50.12 | 64.45 | -14.33 |
| TMW-5 | 6/20/2000 | 50.12 | 64.67 | -14.55 |
| TMW-5 | 1/15/2001 | 50.12 | 64.90 | -14.78 |
| TMW-5 | 7/16/2001 | 50.12 | 64.50 | -14.38 |
| TMW-5 | 3/21/2002 | 53.40 | 67.52 | -14.12 |
| TMW-5 | 9/13/2002 | 53.32 | 67.41 | -14.09 |
| TMW-5 | 3/24/2003 | 53.32 | 67.57 | -14.25 |
| TMW-6 | 7/14/1998 | 50.13 | 64.84 | -14.71 |
| TMW-6 | 9/22/1998 | 50.13 | 64.86 | -14.73 |
| TMW-6 | 10/16/1998 | 50.13 | 64.69 | -14.56 |
| TMW-6 | 3/6/1999 | 50.13 | 64.68 | -14.55 |
| TMW-6 | 7/12/1999 | 50.13 | 64.55 | -14.42 |
| TMW-6 | 6/20/2000 | 50.13 | 64.59 | -14.46 |
| TMW-6 | 1/15/2001 | 50.13 | 64.93 | -14.80 |
| TMW-6 | 7/16/2001 | 50.13 | 64.57 | -14.44 |
| TMW-6 | 3/21/2002 | 56.35 | 70.61 | -14.26 |
| TMW-6 | 9/13/2002 | 56.30 | 70.83 | -14.53 |
| TMW-6 | 3/24/2003 | 56.30 | 70.67 | -14.37 |
| TMW-7 | 7/14/1998 | 51.12 | 65.10 | -13.98 |
| TMW-7 | 9/22/1998 | 51.12 | 65.15 | -14.03 |
| TMW-7 | 10/16/1998 | 51.12 | 65.03 | -13.91 |
| TMW-7 | 3/6/1999 | 51.12 | 65.06 | -13.94 |
| TMW-7 | 7/12/1999 | 51.12 | 64.90 | -13.78 |
| TMW-7 | 6/20/2000 | 51.12 | 65.15 | -14.03 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| TMW-7 | 1/15/2001 | 51.12 | 65.29 | -14.17 |
| TMW-7 | 7/16/2001 | 51.12 | 64.87 | -13.75 |
| TMW-7 | 3/21/2002 | 52.52 | 66.07 | -13.55 |
| TMW-7 | 9/13/2002 | 52.52 | 66.36 | -13.84 |
| TMW-7 | 3/24/2003 | 52.52 | 66.24 | -13.72 |
| TMW-8 | 7/14/1998 | 51.06 | 64.91 | -13.85 |
| TMW-8 | 9/22/1998 | 51.06 | 64.94 | -13.88 |
| TMW-8 | 10/16/1998 | 51.06 | 64.85 | -13.79 |
| TMW-8 | 3/6/1999 | 51.06 | 64.90 | -13.84 |
| TMW-8 | 7/12/1999 | 51.06 | 64.71 | -13.65 |
| TMW-8 | 6/20/2000 | 51.06 | 64.98 | -13.92 |
| TMW-8 | 1/15/2001 | 51.06 | 65.12 | -14.06 |
| TMW-8 | 7/16/2001 | 51.06 | 64.70 | -13.64 |
| TMW-8 | 3/21/2002 | 51.06 | 67.49 | -16.43 |
| TMW-8 | 9/13/2002 | 53.99 | 67.81 | -13.82 |
| TMW-8 | 3/24/2003 | 53.99 | 67.69 | -13.70 |
| TMW-9 | 7/14/1998 | 51.21 | 65.29 | -14.08 |
| TMW-9 | 9/22/1998 | 51.21 | 65.26 | -14.05 |
| TMW-9 | 10/16/1998 | 51.21 | 65.14 | -13.93 |
| TMW-9 | 3/6/1999 | 51.21 | 65.08 | -13.87 |
| TMW-9 | 7/12/1999 | 51.21 | 64.91 | -13.70 |
| TMW-9 | 6/20/2000 | 51.21 | 65.22 | -14.01 |
| TMW-9 | 1/15/2001 | 51.21 | 65.41 | -14.20 |
| TMW-9 | 3/21/2002 | 52.75 | 66.32 | -13.57 |
| TMW-9 | 9/13/2002 | 52.75 | 66.58 | -13.83 |
| TMW-9 | 3/24/2003 | 52.75 | 66.56 | -13.81 |
| TMW-10 | 3/6/1999 | 47.52 | 61.77 | -14.25 |
| TMW-10 | 7/12/1999 | 47.52 | 60.61 | -13.09 |
| TMW-10 | 6/20/2000 | 47.52 | 61.57 | -14.05 |
| TMW-10 | 1/15/2001 | 47.52 | 61.96 | -14.44 |
| TMW-10 | 7/16/2001 | 47.52 | 61.54 | -14.02 |
| TMW-10 | 9/13/2002 | 47.48 | 61.60 | -14.12 |
| TMW-10 | 3/24/2003 | 47.48 | 61.52 | -14.04 |
| TMW-11 | 3/6/1999 | 47.47 | 62.28 | -14.81 |
| TMW-11 | 7/12/1999 | 47.47 | 61.97 | -14.50 |
| TMW-11 | 6/20/2000 | 47.47 | 62.10 | -14.63 |
| TMW-11 | 1/15/2001 | 47.47 | 62.43 | -14.96 |
| TMW-11 | 7/16/2001 | 47.47 | 62.06 | -14.59 |
| TMW-11 | 3/21/2002 | 47.41 | 60.89 | -13.48 |
| TMW-11 | 9/13/2002 | 47.41 | 62.02 | -14.61 |
| TMW-11 | 3/24/2003 | 47.41 | 61.97 | -14.56 |
| TMW-12 | 3/6/1999 | 50.85 | 65.73 | -14.88 |
| TMW-12 | 7/12/1999 | 50.85 | 65.54 | -14.69 |
| TMW-12 | 6/20/2000 | 50.85 | 65.82 | -14.97 |
| TMW-12 | 1/15/2001 | 50.85 | 66.02 | -15.17 |
| TMW-12 | 7/16/2001 | 50.85 | 64.47 | -13.62 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| TMW-12 | 3/21/2002 | 51.67 | 66.25 | -14.58 |
| TMW-12 | 9/13/2002 | 51.67 | 66.40 | -14.73 |
| TMW-13 | 3/6/1999 | 50.91 | 65.68 | -14.77 |
| TMW-13 | 7/12/1999 | 50.91 | 65.51 | -14.60 |
| TMW-13 | 6/20/2000 | 50.91 | 65.82 | -14.91 |
| TMW-13 | 7/16/2001 | 50.91 | 65.57 | -14.66 |
| TMW-13 | 3/21/2002 | 50.89 | 65.49 | -14.60 |
| TMW-13 | 9/13/2002 | 50.89 | 65.49 | -14.60 |
| TMW-14 | 3/6/1999 | 58.21 | 72.91 | -14.70 |
| TMW-14 | 7/12/1999 | 58.21 | 72.67 | -14.46 |
| TMW-14 | 6/20/2000 | 58.21 | 72.96 | -14.75 |
| TMW-14 | 1/15/2001 | 58.21 | 73.21 | -15.00 |
| TMW-14 | 7/16/2001 | 58.21 | 72.85 | -14.64 |
| TMW-14 | 3/21/2002 | 58.16 | 72.69 | -14.53 |
| TMW-14 | 9/13/2002 | 58.16 | 72.72 | -14.56 |
| TMW-14 | 3/24/2003 | 58.16 | 72.61 | -14.45 |
| TMW-15 | 3/6/1999 | 55.26 | 69.30 | -14.04 |
| TMW-15 | 7/12/1999 | 55.26 | 68.90 | -13.64 |
| TMW-15 | 6/20/2000 | 55.26 | 69.30 | -14.04 |
| TMW-15 | 1/15/2001 | 55.26 | 69.52 | -14.26 |
| TMW-15 | 7/16/2001 | 55.26 | 69.18 | -13.92 |
| TMW-15 | 3/21/2002 | 55.23 | 68.88 | -13.65 |
| TMW-15 | 9/13/2002 | 55.23 | 69.03 | -13.80 |
| TMW-15 | 3/24/2003 | 55.23 | 68.90 | -13.67 |
| TMW-16 | 3/6/1999 | 50.91 | 63.80 | -12.89 |
| TMW-16 | 7/12/1999 | 50.91 | 63.54 | -12.63 |
| TMW-16 | 6/20/2000 | 50.91 | 63.77 | -12.86 |
| TMW-16 | 1/15/2001 | 50.91 | 64.05 | -13.14 |
| TMW-16 | 7/16/2001 | 50.91 | 67.27 | -16.36 |
| TMW-16 | 3/21/2002 | 55.73 | 68.06 | -12.33 |
| TMW-16 | 9/13/2002 | 55.73 | 68.44 | -12.71 |
| TMW-17 | 7/12/1999 | NA | NA | -13.16 |
| TMW-17 | 1/14/2000 | NA | NA | -13.41 |
| WCC-1D | 10/18/1989 | 50.69 | 70.20 | -19.51 |
| WCC-1D | 6/15/1992 | 50.69 | 70.24 | -19.55 |
| WCC-1D | 9/21/1992 | 50.69 | 70.61 | -19.92 |
| WCC-1D | 1/5/1993 | 50.69 | 70.30 | -19.61 |
| WCC-1D | 4/9/1993 | 50.69 | 69.79 | -19.10 |
| WCC-1D | 6/7/1993 | 50.69 | 69.69 | -19.00 |
| WCC-1D | 8/24/1993 | 50.69 | 69.22 | -18.53 |
| WCC-1D | 11/18/1993 | 50.69 | 69.03 | -18.34 |
| WCC-1D | 2/23/1994 | 50.69 | 68.52 | -17.83 |
| WCC-1D | 6/10/1994 | 50.69 | 68.16 | -17.47 |
| WCC-1D | 9/8/1994 | 50.69 | 68.35 | -17.66 |
| WCC-1D | 12/21/1994 | 50.69 | 68.24 | -17.55 |
| WCC-1D | 3/13/1995 | 50.69 | 68.05 | -17.36 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-1D | 6/12/1995 | 50.69 | 67.48 | -16.79 |
| WCC-1D | 9/20/1995 | 50.69 | 67.29 | -16.60 |
| WCC-1D | 12/12/1995 | 50.69 | 67.00 | -16.31 |
| WCC-1D | 2/29/1996 | 50.69 | 66.84 | -16.15 |
| WCC-1D | 6/6/1996 | 50.69 | 66.42 | -15.73 |
| WCC-1D | 9/18/1996 | 50.69 | 66.34 | -15.65 |
| WCC-1D | 12/18/1996 | 50.69 | 66.03 | -15.34 |
| WCC-1D | 5/6/1997 | 50.69 | 65.56 | -14.87 |
| WCC-1D | 7/1/1997 | 50.69 | 65.51 | -14.82 |
| WCC-1D | 7/22/1997 | 50.69 | 65.60 | -14.91 |
| WCC-1D | 8/4/1997 | 50.69 | 65.54 | -14.85 |
| WCC-1D | 8/19/1997 | 50.69 | 65.49 | -14.80 |
| WCC-1D | 9/3/1997 | 50.69 | 65.53 | -14.84 |
| WCC-1D | 9/16/1997 | 50.69 | 65.48 | -14.79 |
| WCC-1S | 11/13/1987 | 50.74 | 72.37 | -21.63 |
| WCC-1S | 10/18/1989 | 50.74 | 70.22 | -19.48 |
| WCC-1S | 6/15/1992 | 50.74 | 69.94 | -19.20 |
| WCC-1S | 9/21/1992 | 50.74 | 70.16 | -19.42 |
| WCC-1S | 1/5/1993 | 50.74 | 70.08 | -19.34 |
| WCC-1S | 4/9/1993 | 50.74 | 69.53 | -18.79 |
| WCC-1S | 6/7/1993 | 50.74 | 69.49 | -18.75 |
| WCC-1S | 8/24/1993 | 50.74 | 68.99 | -18.25 |
| WCC-1S | 11/18/1993 | 50.74 | 68.74 | -18.00 |
| WCC-1S | 2/23/1994 | 50.74 | 68.35 | -17.61 |
| WCC-1S | 6/10/1994 | 50.74 | 67.97 | -17.23 |
| WCC-1S | 9/8/1994 | 50.74 | 67.99 | -17.25 |
| WCC-1S | 12/21/1994 | 50.74 | 67.86 | -17.12 |
| WCC-1S | 3/13/1995 | 50.74 | 67.86 | -17.12 |
| WCC-1S | 6/12/1995 | 50.74 | 67.27 | -16.53 |
| WCC-1S | 9/20/1995 | 50.74 | 67.01 | -16.27 |
| WCC-1S | 12/12/1995 | 50.74 | 66.79 | -16.05 |
| WCC-1S | 2/29/1996 | 50.74 | 66.54 | -15.80 |
| WCC-1S | 6/6/1996 | 50.74 | 66.21 | -15.47 |
| WCC-1S | 9/18/1996 | 50.74 | 66.10 | -15.36 |
| WCC-1S | 12/18/1996 | 50.74 | 65.77 | -15.03 |
| WCC-1S | 5/6/1997 | 50.74 | 65.32 | -14.58 |
| WCC-1S | 7/1/1997 | 50.74 | 65.25 | -14.51 |
| WCC-1S | 7/22/1997 | 50.74 | 65.32 | -14.58 |
| WCC-1S | 8/4/1997 | 50.74 | 65.27 | -14.53 |
| WCC-1S | 8/19/1997 | 50.74 | 65.21 | -14.47 |
| WCC-1S | 9/3/1997 | 50.74 | 65.27 | -14.53 |
| WCC-1S | 9/16/1997 | 50.74 | 65.20 | -14.46 |
| WCC-2S | 11/13/1987 | 50.83 | 70.55 | -19.72 |
| WCC-2S | 10/18/1989 | 50.83 | 69.89 | -19.06 |
| WCC-2S | 6/15/1992 | 50.83 | 69.98 | -19.15 |
| WCC-2S | 9/21/1992 | 50.83 | 70.24 | -19.41 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-2S | 1/5/1993 | 50.83 | 70.34 | -19.51 |
| WCC-2S | 4/9/1993 | 50.83 | 69.47 | -18.64 |
| WCC-2S | 6/7/1993 | 50.83 | 69.46 | -18.63 |
| WCC-2S | 8/24/1993 | 50.83 | 68.98 | -18.15 |
| WCC-2S | 11/18/1993 | 50.83 | 68.70 | -17.87 |
| WCC-2S | 2/23/1994 | 50.83 | 68.32 | -17.49 |
| WCC-2S | 6/10/1994 | 50.83 | 67.90 | -17.07 |
| WCC-2S | 9/8/1994 | 50.83 | 68.03 | -17.20 |
| WCC-2S | 12/21/1994 | 50.83 | 68.00 | -17.17 |
| WCC-2S | 3/13/1995 | 50.83 | 67.91 | -17.08 |
| WCC-2S | 6/12/1995 | 50.83 | 67.20 | -16.37 |
| WCC-2S | 9/20/1995 | 50.83 | 67.02 | -16.19 |
| WCC-2S | 12/12/1995 | 50.83 | 66.69 | -15.86 |
| WCC-2S | 2/29/1996 | 50.83 | 66.60 | -15.77 |
| WCC-2S | 6/6/1996 | 50.83 | 66.09 | -15.26 |
| WCC-2S | 9/18/1996 | 50.83 | 66.01 | -15.18 |
| WCC-2S | 12/18/1996 | 50.83 | 65.65 | -14.82 |
| WCC-2S | 5/6/1997 | 50.83 | 65.19 | -14.36 |
| WCC-3D | 10/18/1989 | 51.42 | 70.80 | -19.38 |
| WCC-3D | 6/15/1992 | 51.42 | 70.81 | -19.39 |
| WCC-3D | 9/21/1992 | 51.42 | 71.13 | -19.71 |
| WCC-3D | 1/5/1993 | 51.42 | 71.94 | -20.52 |
| WCC-3D | 4/9/1993 | 51.42 | 70.29 | -18.87 |
| WCC-3D | 6/7/1993 | 51.42 | 70.27 | -18.85 |
| WCC-3D | 8/24/1993 | 51.42 | 69.82 | -18.40 |
| WCC-3D | 11/18/1993 | 51.42 | 69.60 | -18.18 |
| WCC-3D | 2/23/1994 | 51.42 | 69.42 | -18.00 |
| WCC-3D | 6/10/1994 | 51.42 | 68.81 | -17.39 |
| WCC-3D | 9/8/1994 | 51.42 | 68.89 | -17.47 |
| WCC-3D | 12/21/1994 | 51.42 | 68.84 | -17.42 |
| WCC-3D | 3/13/1995 | 51.42 | 68.69 | -17.27 |
| WCC-3D | 6/12/1995 | 51.42 | 68.09 | -16.67 |
| WCC-3D | 9/20/1995 | 51.42 | 67.89 | -16.47 |
| WCC-3D | 12/12/1995 | 51.42 | 67.59 | -16.17 |
| WCC-3D | 2/29/1996 | 51.42 | 67.37 | -15.95 |
| WCC-3D | 6/6/1996 | 51.42 | 66.99 | -15.57 |
| WCC-3D | 9/18/1996 | 51.42 | 66.92 | -15.50 |
| WCC-3D | 12/18/1996 | 51.42 | 66.63 | -15.21 |
| WCC-3D | 5/6/1997 | 51.42 | 66.14 | -14.72 |
| WCC-3D | 7/1/1997 | 51.42 | 66.07 | -14.65 |
| WCC-3D | 7/22/1997 | 51.42 | 66.15 | -14.73 |
| WCC-3D | 8/4/1997 | 51.42 | 66.11 | -14.69 |
| WCC-3D | 8/19/1997 | 51.42 | 66.03 | -14.61 |
| WCC-3D | 9/3/1997 | 51.42 | 66.07 | -14.65 |
| WCC-3D | 9/16/1997 | 51.42 | 66.05 | -14.63 |
| WCC-3D | 9/22/1998 | 51.42 | 65.00 | -13.58 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-3D | 10/16/1998 | 51.42 | 64.95 | -13.53 |
| WCC-3D | 3/6/1999 | 51.42 | 65.02 | -13.60 |
| WCC-3D | 7/12/1999 | 51.42 | 64.91 | -13.49 |
| WCC-3D | 6/20/2000 | 51.42 | 65.12 | -13.70 |
| WCC-3D | 1/15/2001 | 51.16 | 65.01 | -13.85 |
| WCC-3D | 7/16/2001 | 51.16 | 64.58 | -13.42 |
| WCC-3D | 3/21/2002 | 51.11 | 64.19 | -13.08 |
| WCC-3S | 11/13/1987 | 51.37 | 72.93 | -21.56 |
| WCC-3S | 10/18/1989 | 51.37 | 70.79 | -19.42 |
| WCC-3S | 6/15/1992 | 51.37 | 70.61 | -19.24 |
| WCC-3S | 9/21/1992 | 51.37 | 70.89 | -19.52 |
| WCC-3S | 1/5/1993 | 51.37 | 71.10 | -19.73 |
| WCC-3S | 4/9/1993 | 51.37 | 70.20 | -18.83 |
| WCC-3S | 6/7/1993 | 51.37 | 70.19 | -18.82 |
| WCC-3S | 8/24/1993 | 51.37 | 69.73 | -18.36 |
| WCC-3S | 11/18/1993 | 51.37 | 69.38 | -18.01 |
| WCC-3S | 2/23/1994 | 51.37 | 69.04 | -17.67 |
| WCC-3S | 6/10/1994 | 51.37 | 68.56 | -17.19 |
| WCC-3S | 9/8/1994 | 51.37 | 68.68 | -17.31 |
| WCC-3S | 12/21/1994 | 51.37 | 68.65 | -17.28 |
| WCC-3S | 3/13/1995 | 51.37 | 68.59 | -17.22 |
| WCC-3S | 6/12/1995 | 51.37 | 67.95 | -16.58 |
| WCC-3S | 9/20/1995 | 51.37 | 67.74 | -16.37 |
| WCC-3S | 12/12/1995 | 51.37 | 67.43 | -16.06 |
| WCC-3S | 2/29/1996 | 51.37 | 67.30 | -15.93 |
| WCC-3S | 6/6/1996 | 51.37 | 66.78 | -15.41 |
| WCC-3S | 9/18/1996 | 51.37 | 66.78 | -15.41 |
| WCC-3S | 12/18/1996 | 51.37 | 66.48 | -15.11 |
| WCC-3S | 5/6/1997 | 51.37 | 66.00 | -14.63 |
| WCC-3S | 7/1/1997 | 51.37 | 65.90 | -14.53 |
| WCC-3S | 7/22/1997 | 51.37 | 66.01 | -14.64 |
| WCC-3S | 8/4/1997 | 51.37 | 65.90 | -14.53 |
| WCC-3S | 8/19/1997 | 51.37 | 65.89 | -14.52 |
| WCC-3S | 9/3/1997 | 51.37 | 65.95 | -14.58 |
| WCC-3S | 9/16/1997 | 51.37 | 65.90 | -14.53 |
| WCC-3S | 7/14/1998 | 51.37 | 64.77 | -13.40 |
| WCC-3S | 9/22/1998 | 51.37 | 64.85 | -13.48 |
| WCC-3S | 10/16/1998 | 51.37 | 65.11 | -13.74 |
| WCC-3S | 3/6/1999 | 51.37 | 64.82 | -13.45 |
| WCC-3S | 7/12/1999 | 51.37 | 64.70 | -13.33 |
| WCC-3S | 6/20/2000 | 51.37 | 64.84 | -13.47 |
| WCC-3S | 1/15/2001 | 51.16 | 64.87 | -13.71 |
| WCC-3S | 7/16/2001 | 51.16 | 64.45 | -13.29 |
| WCC-3S | 3/21/2002 | 51.12 | 64.14 | -13.02 |
| WCC-3S | 9/13/2002 | 51.12 | 64.54 | -13.42 |
| WCC-3S | 3/25/2003 | 51.12 | 64.46 | -13.34 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-4S | 11/13/1987 | 50.07 | 71.84 | -21.77 |
| WCC-4S | 10/18/1989 | 50.07 | 69.66 | -19.59 |
| WCC-4S | 6/15/1992 | 50.07 | 69.29 | -19.22 |
| WCC-4S | 9/21/1992 | 50.07 | 69.56 | -19.49 |
| WCC-4S | 1/5/1993 | 50.07 | 69.41 | -19.34 |
| WCC-4S | 4/9/1993 | 50.07 | 68.93 | -18.86 |
| WCC-4S | 6/7/1993 | 50.07 | 68.85 | -18.78 |
| WCC-4S | 8/24/1993 | 50.07 | 68.44 | -18.37 |
| WCC-4S | 11/18/1993 | 50.07 | 68.23 | -18.16 |
| WCC-4S | 2/23/1994 | 50.07 | 67.84 | -17.77 |
| WCC-4S | 6/10/1994 | 50.07 | 67.39 | -17.32 |
| WCC-4S | 9/8/1994 | 50.07 | 67.44 | -17.37 |
| WCC-4S | 12/21/1994 | 50.07 | 67.38 | -17.31 |
| WCC-4S | 3/13/1995 | 50.07 | 67.30 | -17.23 |
| WCC-4S | 6/12/1995 | 50.07 | 66.68 | -16.61 |
| WCC-4S | 9/20/1995 | 50.07 | 66.45 | -16.38 |
| WCC-4S | 12/12/1995 | 50.07 | 66.23 | -16.16 |
| WCC-4S | 2/29/1996 | 50.07 | 67.09 | -17.02 |
| WCC-4S | 6/6/1996 | 50.07 | 65.63 | -15.56 |
| WCC-4S | 9/18/1996 | 50.07 | 65.56 | -15.49 |
| WCC-4S | 12/18/1996 | 50.07 | 65.26 | -15.19 |
| WCC-4S | 5/6/1997 | 50.07 | 64.81 | -14.74 |
| WCC-4S | 7/1/1997 | 50.07 | 64.73 | -14.66 |
| WCC-4S | 7/22/1997 | 50.07 | 64.80 | -14.73 |
| WCC-4S | 8/4/1997 | 50.07 | 64.76 | -14.69 |
| WCC-4S | 8/19/1997 | 50.07 | 64.68 | -14.61 |
| WCC-4S | 9/3/1997 | 50.07 | 64.76 | -14.69 |
| WCC-4S | 9/16/1997 | 50.07 | 64.68 | -14.61 |
| WCC-4S | 7/14/1998 | 50.07 | 63.63 | -13.56 |
| WCC-4S | 9/22/1998 | 50.07 | 63.53 | -13.46 |
| WCC-4S | 10/16/1998 | 50.07 | 63.56 | -13.49 |
| WCC-4S | 3/6/1999 | 50.07 | 63.50 | -13.43 |
| WCC-4S | 7/12/1999 | 50.07 | 63.40 | -13.33 |
| WCC-4S | 6/20/2000 | 50.07 | 63.58 | -13.51 |
| WCC-4S | 1/15/2001 | 49.65 | 63.48 | -13.83 |
| WCC-4S | 7/16/2001 | 49.65 | 63.00 | -13.35 |
| WCC-4S | 3/21/2002 | 49.62 | 62.81 | -13.19 |
| WCC-4S | 9/13/2002 | 49.62 | 63.15 | -13.53 |
| WCC-5S | 10/18/1989 | 48.74 | 68.44 | -19.70 |
| WCC-5S | 6/15/1992 | 48.74 | 67.87 | -19.13 |
| WCC-5S | 9/21/1992 | 48.74 | 68.16 | -19.42 |
| WCC-5S | 1/5/1993 | 48.74 | 68.06 | -19.32 |
| WCC-5S | 4/9/1993 | 48.74 | 67.57 | -18.83 |
| WCC-5S | 6/7/1993 | 48.74 | 67.52 | -18.78 |
| WCC-5S | 8/24/1993 | 48.74 | 67.12 | -18.38 |
| WCC-5S | 11/18/1993 | 48.74 | 66.87 | -18.13 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-5S | 2/23/1994 | 48.74 | 66.52 | -17.78 |
| WCC-5S | 6/10/1994 | 48.74 | 66.07 | -17.33 |
| WCC-5S | 9/8/1994 | 48.74 | 66.07 | -17.33 |
| WCC-5S | 12/21/1994 | 48.74 | 65.99 | -17.25 |
| WCC-5S | 3/13/1995 | 48.74 | 65.93 | -17.19 |
| WCC-5S | 6/12/1995 | 48.74 | 65.30 | -16.56 |
| WCC-5S | 9/20/1995 | 48.74 | 65.09 | -16.35 |
| WCC-5S | 12/12/1995 | 48.74 | 64.88 | -16.14 |
| WCC-5S | 2/29/1996 | 48.74 | 64.76 | -16.02 |
| WCC-5S | 6/6/1996 | 48.74 | 64.28 | -15.54 |
| WCC-5S | 9/18/1996 | 48.74 | 64.21 | -15.47 |
| WCC-5S | 12/18/1996 | 48.74 | 63.96 | -15.22 |
| WCC-5S | 5/6/1997 | 48.74 | 63.55 | -14.81 |
| WCC-5S | 7/1/1997 | 48.74 | 63.45 | -14.71 |
| WCC-5S | 7/22/1997 | 48.74 | 63.51 | -14.77 |
| WCC-5S | 8/4/1997 | 48.74 | 63.45 | -14.71 |
| WCC-5S | 8/19/1997 | 48.74 | 63.39 | -14.65 |
| WCC-5S | 9/3/1997 | 48.74 | 63.46 | -14.72 |
| WCC-5S | 9/16/1997 | 48.74 | 63.38 | -14.64 |
| WCC-5S | 9/22/1998 | 48.74 | 62.26 | -13.52 |
| WCC-5S | 10/16/1998 | 48.74 | 62.20 | -13.46 |
| WCC-5S | 3/6/1999 | 48.74 | 62.13 | -13.39 |
| WCC-5S | 7/12/1999 | 48.74 | 61.99 | -13.25 |
| WCC-5S | 6/20/2000 | 48.74 | 62.20 | -13.46 |
| WCC-5S | 1/15/2001 | 48.84 | 62.47 | -13.63 |
| WCC-5S | 7/16/2001 | 48.84 | 62.12 | -13.28 |
| WCC-5S | 3/21/2002 | 48.79 | 61.93 | -13.14 |
| WCC-5S | 9/13/2002 | 48.79 | 62.25 | -13.46 |
| WCC-5S | 3/24/2003 | 48.79 | 62.13 | -13.34 |
| WCC-6S | 10/18/1989 | 51.30 | 71.00 | -19.70 |
| WCC-6S | 6/15/1992 | 51.30 | 70.70 | -19.40 |
| WCC-6S | 9/21/1992 | 51.30 | 70.94 | -19.64 |
| WCC-6S | 1/5/1993 | 51.30 | 70.80 | -19.50 |
| WCC-6S | 4/9/1993 | 51.30 | 70.33 | -19.03 |
| WCC-6S | 6/7/1993 | 51.30 | 70.27 | -18.97 |
| WCC-6S | 8/24/1993 | 51.30 | 69.85 | -18.55 |
| WCC-6S | 11/18/1993 | 51.30 | 69.62 | -18.32 |
| WCC-6S | 2/23/1994 | 51.30 | 69.22 | -17.92 |
| WCC-6S | 6/10/1994 | 51.30 | 68.78 | -17.48 |
| WCC-6S | 9/8/1994 | 51.30 | 68.75 | -17.45 |
| WCC-6S | 12/21/1994 | 51.30 | 68.75 | -17.45 |
| WCC-6S | 3/13/1995 | 51.30 | 68.66 | -17.36 |
| WCC-6S | 6/12/1995 | 51.30 | 68.05 | -16.75 |
| WCC-6S | 9/20/1995 | 51.30 | 67.94 | -16.64 |
| WCC-6S | 12/12/1995 | 51.30 | 67.60 | -16.30 |
| WCC-6S | 2/29/1996 | 51.30 | 67.47 | -16.17 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-6S | 6/6/1996 | 51.30 | 67.06 | -15.76 |
| WCC-6S | 9/18/1996 | 51.30 | 66.95 | -15.65 |
| WCC-6S | 12/18/1996 | 51.30 | 66.65 | -15.35 |
| WCC-6S | 5/6/1997 | 51.30 | 66.20 | -14.90 |
| WCC-6S | 7/1/1997 | 51.30 | 66.09 | -14.79 |
| WCC-6S | 7/22/1997 | 51.30 | 66.19 | -14.89 |
| WCC-6S | 8/4/1997 | 51.30 | 66.14 | -14.84 |
| WCC-6S | 9/16/1997 | 51.30 | 66.03 | -14.73 |
| WCC-6S | 7/14/1998 | 51.30 | 64.99 | -13.69 |
| WCC-6S | 9/22/1998 | 51.30 | 65.04 | -13.74 |
| WCC-6S | 10/16/1998 | 51.30 | 65.07 | -13.77 |
| WCC-6S | 3/6/1999 | 51.30 | 65.01 | -13.71 |
| WCC-6S | 7/12/1999 | 51.30 | 64.85 | -13.55 |
| WCC-6S | 6/20/2000 | 51.30 | 64.96 | -13.66 |
| WCC-6S | 1/15/2001 | 51.32 | 65.27 | -13.95 |
| WCC-6S | 7/16/2001 | 51.32 | 64.81 | -13.49 |
| WCC-6S | 3/21/2002 | 51.30 | 64.56 | -13.26 |
| WCC-6S | 9/13/2002 | 51.30 | 64.89 | -13.59 |
| WCC-6S | 3/25/2003 | 51.30 | 64.58 | -13.28 |
| WCC-7S | 10/18/1989 | 48.67 | 68.74 | -20.07 |
| WCC-7S | 6/15/1992 | 48.67 | 68.30 | -19.63 |
| WCC-7S | 9/21/1992 | 48.67 | 68.60 | -19.93 |
| WCC-7S | 1/5/1993 | 48.67 | 68.43 | -19.76 |
| WCC-7S | 4/9/1993 | 48.67 | 67.97 | -19.30 |
| WCC-7S | 6/7/1993 | 48.67 | 67.90 | -19.23 |
| WCC-7S | 8/24/1993 | 48.67 | 67.50 | -18.83 |
| WCC-7S | 11/18/1993 | 48.67 | 67.27 | -18.60 |
| WCC-7S | 2/23/1994 | 48.67 | 66.89 | -18.22 |
| WCC-7S | 6/10/1994 | 48.67 | 66.49 | -17.82 |
| WCC-7S | 9/8/1994 | 48.67 | 66.47 | -17.80 |
| WCC-7S | 12/21/1994 | 48.67 | 66.41 | -17.74 |
| WCC-7S | 3/13/1995 | 48.67 | 66.21 | -17.54 |
| WCC-7S | 6/12/1995 | 48.67 | 65.70 | -17.03 |
| WCC-7S | 9/20/1995 | 48.67 | 65.49 | -16.82 |
| WCC-7S | 12/12/1995 | 48.67 | 65.26 | -16.59 |
| WCC-7S | 2/29/1996 | 48.67 | 65.13 | -16.46 |
| WCC-7S | 6/6/1996 | 48.67 | 64.68 | -16.01 |
| WCC-7S | 9/18/1996 | 48.67 | 64.62 | -15.95 |
| WCC-7S | 12/18/1996 | 48.67 | 64.31 | -15.64 |
| WCC-7S | 5/6/1997 | 48.67 | 63.86 | -15.19 |
| WCC-7S | 7/1/1997 | 48.67 | 63.79 | -15.12 |
| WCC-7S | 7/22/1997 | 48.67 | 63.87 | -15.20 |
| WCC-7S | 8/4/1997 | 48.67 | 63.82 | -15.15 |
| WCC-7S | 8/19/1997 | 48.67 | 63.75 | -15.08 |
| WCC-7S | 9/3/1997 | 48.67 | 63.82 | -15.15 |
| WCC-7S | 9/16/1997 | 48.67 | 63.73 | -15.06 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|--------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-7S | 9/22/1998 | 48.67 | 62.56 | -13.89 |
| WCC-7S | 10/16/1998 | 48.67 | 62.61 | -13.94 |
| WCC-7S | 3/6/1999 | 48.67 | 62.25 | -13.58 |
| WCC-7S | 7/12/1999 | 48.67 | 62.13 | -13.46 |
| WCC-7S | 6/20/2000 | 48.67 | 62.34 | -13.67 |
| WCC-7S | 1/15/2001 | 50.23 | 64.12 | -13.89 |
| WCC-7S | 7/16/2001 | 50.23 | 63.70 | -13.47 |
| WCC-7S | 3/21/2002 | 50.20 | 63.51 | -13.31 |
| WCC-7S | 9/13/2002 | 50.20 | 63.82 | -13.62 |
| WCC-7S | 3/24/2003 | 50.20 | 63.72 | -13.52 |
| WCC-8S | 10/18/1989 | 50.87 | 70.22 | -19.35 |
| WCC-8S | 6/15/1992 | 50.87 | 69.98 | -19.11 |
| WCC-8S | 9/21/1992 | 50.87 | 70.21 | -19.34 |
| WCC-8S | 1/5/1993 | 50.87 | 70.06 | -19.19 |
| WCC-8S | 4/9/1993 | 50.87 | 69.56 | -18.69 |
| WCC-8S | 6/7/1993 | 50.87 | 69.48 | -18.61 |
| WCC-8S | 8/24/1993 | 50.87 | 69.06 | -18.19 |
| WCC-8S | 11/18/1993 | 50.87 | 68.76 | -17.89 |
| WCC-8S | 2/23/1994 | 50.87 | 68.36 | -17.49 |
| WCC-8S | 6/10/1994 | 50.87 | 67.98 | -17.11 |
| WCC-8S | 9/8/1994 | 50.87 | 68.01 | -17.14 |
| WCC-8S | 12/21/1994 | 50.87 | 67.99 | -17.12 |
| WCC-8S | 3/13/1995 | 50.87 | 68.16 | -17.29 |
| WCC-8S | 6/12/1995 | 50.87 | 67.29 | -16.42 |
| WCC-8S | 9/20/1995 | 50.87 | 67.03 | -16.16 |
| WCC-8S | 12/12/1995 | 50.87 | 66.76 | -15.89 |
| WCC-8S | 2/29/1996 | 50.87 | 66.63 | -15.76 |
| WCC-8S | 6/6/1996 | 50.87 | 66.21 | -15.34 |
| WCC-8S | 9/18/1996 | 50.87 | 66.14 | -15.27 |
| WCC-8S | 12/18/1996 | 50.87 | 65.86 | -14.99 |
| WCC-8S | 5/6/1997 | 50.87 | 65.43 | -14.56 |
| WCC-8S | 7/1/1997 | 50.87 | 65.31 | -14.44 |
| WCC-8S | 7/22/1997 | 50.87 | 65.37 | -14.50 |
| WCC-8S | 8/4/1997 | 50.87 | 65.33 | -14.46 |
| WCC-8S | 8/19/1997 | 50.87 | 65.26 | -14.39 |
| WCC-8S | 9/3/1997 | 50.87 | 65.33 | -14.46 |
| WCC-8S | 9/16/1997 | 50.87 | 65.26 | -14.39 |
| WCC-9S | 10/18/1989 | 46.32 | 66.39 | -20.07 |
| WCC-9S | 6/15/1992 | 46.32 | 65.76 | -19.44 |
| WCC-9S | 9/21/1992 | 46.32 | 65.98 | -19.66 |
| WCC-9S | 1/5/1993 | 46.32 | 65.88 | -19.56 |
| WCC-9S | 4/9/1993 | 46.32 | 65.41 | -19.09 |
| WCC-9S | 6/7/1993 | 46.32 | 65.41 | -19.09 |
| WCC-9S | 8/24/1993 | 46.32 | 65.01 | -18.69 |
| WCC-9S | 11/18/1993 | 46.32 | 64.74 | -18.42 |
| WCC-9S | 2/23/1994 | 46.32 | 64.41 | -18.09 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|---------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-9S | 6/10/1994 | 46.32 | 64.95 | -18.63 |
| WCC-9S | 09/08/1994 | 46.32 | 65.40 | -19.08 |
| WCC-9S | 12/21/1994 | 46.32 | 63.83 | -17.51 |
| WCC-9S | 03/13/1995 | 46.32 | 63.73 | -17.41 |
| WCC-9S | 06/12/1995 | 46.32 | 63.11 | -16.79 |
| WCC-9S | 09/20/1995 | 46.32 | 62.96 | -16.64 |
| WCC-9S | 12/12/1995 | 46.32 | 62.71 | -16.39 |
| WCC-9S | 02/29/1996 | 46.32 | 62.81 | -16.49 |
| WCC-9S | 06/06/1996 | 46.32 | 62.18 | -15.86 |
| WCC-9S | 09/18/1996 | 46.32 | 62.08 | -15.76 |
| WCC-9S | 12/18/1996 | 46.32 | 61.79 | -15.47 |
| WCC-9S | 05/06/1997 | 46.32 | 61.42 | -15.10 |
| WCC-9S | 07/01/1997 | 46.32 | 61.32 | -15.00 |
| WCC-9S | 07/22/1997 | 46.32 | 61.39 | -15.07 |
| WCC-9S | 08/04/1997 | 46.32 | 61.32 | -15.00 |
| WCC-9S | 08/19/1997 | 46.32 | 61.28 | -14.96 |
| WCC-9S | 09/03/1997 | 46.32 | 61.33 | -15.01 |
| WCC-9S | 09/16/1997 | 46.32 | 61.25 | -14.93 |
| WCC-9S | 09/22/1998 | 46.32 | 60.24 | -13.92 |
| WCC-9S | 10/16/1998 | 46.32 | 60.14 | -13.82 |
| WCC-9S | 03/06/1999 | 46.32 | 60.17 | -13.85 |
| WCC-9S | 07/12/1999 | 46.32 | 59.87 | -13.55 |
| WCC-9S | 06/20/2000 | 46.32 | 60.02 | -13.70 |
| WCC-9S | 01/15/2001 | 46.93 | 60.90 | -13.97 |
| WCC-9S | 07/16/2001 | 46.93 | 60.54 | -13.61 |
| WCC-9S | 03/21/2002 | 46.85 | 60.33 | -13.48 |
| WCC-9S | 09/13/2002 | 46.85 | 60.90 | -14.05 |
| WCC-9S | 03/25/2003 | 46.85 | 60.51 | -13.66 |
| WCC-10S | 10/18/1989 | 51.29 | 69.71 | -18.42 |
| WCC-10S | 6/15/1992 | 51.29 | 70.23 | -18.94 |
| WCC-10S | 9/21/1992 | 51.29 | 70.62 | -19.33 |
| WCC-10S | 1/5/1993 | 51.29 | 70.39 | -19.10 |
| WCC-10S | 4/9/1993 | 51.29 | 69.71 | -18.42 |
| WCC-10S | 6/7/1993 | 51.29 | 69.62 | -18.33 |
| WCC-10S | 8/24/1993 | 51.29 | 69.12 | -17.83 |
| WCC-10S | 11/18/1993 | 51.29 | 68.83 | -17.54 |
| WCC-10S | 2/23/1994 | 51.29 | 68.36 | -17.07 |
| WCC-10S | 6/10/1994 | 51.29 | 67.96 | -16.67 |
| WCC-10S | 9/8/1994 | 51.29 | 68.32 | -17.03 |
| WCC-10S | 12/21/1994 | 51.29 | 68.26 | -16.97 |
| WCC-10S | 3/13/1995 | 51.29 | 67.85 | -16.56 |
| WCC-10S | 6/12/1995 | 51.29 | 67.34 | -16.05 |
| WCC-10S | 9/20/1995 | 51.29 | 67.18 | -15.89 |
| WCC-10S | 12/12/1995 | 51.29 | 66.83 | -15.54 |
| WCC-10S | 2/29/1996 | 51.29 | 66.51 | -15.22 |
| WCC-10S | 6/6/1996 | 51.29 | 66.06 | -14.77 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|---------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-10S | 9/18/1996 | 51.29 | 65.97 | -14.68 |
| WCC-10S | 5/6/1997 | 51.29 | 65.07 | -13.78 |
| WCC-10S | 7/1/1997 | 51.29 | 65.03 | -13.74 |
| WCC-10S | 7/22/1997 | 51.29 | 65.05 | -13.76 |
| WCC-10S | 8/4/1997 | 51.29 | 65.02 | -13.73 |
| WCC-10S | 8/19/1997 | 51.29 | 64.98 | -13.69 |
| WCC-10S | 9/3/1997 | 51.29 | 65.01 | -13.72 |
| WCC-10S | 9/16/1997 | 51.29 | 64.99 | -13.70 |
| WCC-10S | 7/14/1998 | 51.29 | 63.82 | -12.53 |
| WCC-10S | 3/6/1999 | 51.29 | 63.96 | -12.67 |
| WCC-10S | 7/12/1999 | 51.29 | 63.92 | -12.63 |
| WCC-10S | 6/20/2000 | 51.29 | 64.42 | -13.13 |
| WCC-10S | 1/15/2001 | 58.17 | 71.37 | -13.20 |
| WCC-11S | 6/15/1992 | 50.29 | 67.91 | -17.62 |
| WCC-11S | 9/21/1992 | 50.29 | 69.10 | -18.81 |
| WCC-11S | 1/5/1993 | 50.29 | 68.98 | -18.69 |
| WCC-11S | 4/9/1993 | 50.29 | 68.42 | -18.13 |
| WCC-11S | 6/7/1993 | 50.29 | 68.33 | -18.04 |
| WCC-11S | 8/24/1993 | 50.29 | 67.89 | -17.60 |
| WCC-11S | 11/18/1993 | 50.29 | 67.65 | -17.36 |
| WCC-11S | 2/23/1994 | 50.29 | 67.25 | -16.96 |
| WCC-11S | 6/10/1994 | 50.29 | 66.74 | -16.45 |
| WCC-11S | 9/8/1994 | 50.29 | 66.87 | -16.58 |
| WCC-11S | 12/21/1994 | 50.29 | 66.92 | -16.63 |
| WCC-11S | 3/13/1995 | 50.29 | 66.77 | -16.48 |
| WCC-11S | 6/12/1995 | 50.29 | 66.12 | -15.83 |
| WCC-11S | 9/20/1995 | 50.29 | 65.88 | -15.59 |
| WCC-11S | 12/12/1995 | 50.29 | 65.64 | -15.35 |
| WCC-11S | 2/29/1996 | 50.29 | 65.48 | -15.19 |
| WCC-11S | 6/6/1996 | 50.29 | 65.00 | -14.71 |
| WCC-11S | 9/18/1996 | 50.29 | 64.93 | -14.64 |
| WCC-11S | 12/18/1996 | 50.29 | 64.63 | -14.34 |
| WCC-11S | 5/6/1997 | 50.29 | 64.17 | -13.88 |
| WCC-11S | 7/1/1997 | 50.29 | 64.05 | -13.76 |
| WCC-11S | 7/22/1997 | 50.29 | 64.13 | -13.84 |
| WCC-11S | 8/4/1997 | 50.29 | 64.03 | -13.74 |
| WCC-11S | 8/19/1997 | 50.29 | 64.03 | -13.74 |
| WCC-11S | 9/3/1997 | 50.29 | 64.10 | -13.81 |
| WCC-11S | 9/16/1997 | 50.29 | 64.04 | -13.75 |
| WCC-11S | 9/22/1998 | 50.29 | 62.97 | -12.68 |
| WCC-11S | 10/16/1998 | 50.29 | 62.97 | -12.68 |
| WCC-11S | 3/6/1999 | 50.29 | 62.93 | -12.64 |
| WCC-11S | 7/12/1999 | 50.29 | 62.82 | -12.53 |
| WCC-11S | 6/20/2000 | 50.29 | 63.17 | -12.88 |
| WCC-11S | 1/15/2001 | 51.37 | 64.32 | -12.95 |
| WCC-11S | 7/16/2001 | 51.37 | 64.00 | -12.63 |

Table III
Historic Groundwater Elevations
Boeing Realty Corporation Former C-6 Facility

| Well | Date Monitored | Reference Elevation (feet) | Depth to Water (feet) | Groundwater Elevation (feet MSL) |
|---------|----------------|----------------------------|-----------------------|----------------------------------|
| WCC-11S | 3/21/2002 | 51.34 | 63.68 | -12.34 |
| WCC-11S | 9/13/2002 | 51.34 | 64.20 | -12.86 |
| WCC-12S | 6/15/1992 | 47.31 | 66.91 | -19.60 |
| WCC-12S | 9/21/1992 | 47.31 | 67.21 | -19.90 |
| WCC-12S | 1/5/1993 | 47.31 | 67.05 | -19.74 |
| WCC-12S | 4/9/1993 | 47.31 | 66.57 | -19.26 |
| WCC-12S | 6/7/1993 | 47.31 | 66.51 | -19.20 |
| WCC-12S | 8/24/1993 | 47.31 | 66.09 | -18.78 |
| WCC-12S | 11/18/1993 | 47.31 | 65.89 | -18.58 |
| WCC-12S | 2/23/1994 | 47.31 | 65.44 | -18.13 |
| WCC-12S | 6/10/1994 | 47.31 | 65.05 | -17.74 |
| WCC-12S | 9/8/1994 | 47.31 | 65.10 | -17.79 |
| WCC-12S | 12/21/1994 | 47.31 | 64.98 | -17.67 |
| WCC-12S | 3/13/1995 | 47.31 | 64.94 | -17.63 |
| WCC-12S | 6/12/1995 | 47.31 | 64.31 | -17.00 |
| WCC-12S | 9/20/1995 | 47.31 | 64.10 | -16.79 |
| WCC-12S | 12/12/1995 | 47.31 | 63.85 | -16.54 |
| WCC-12S | 2/29/1996 | 47.31 | 63.71 | -16.40 |
| WCC-12S | 6/6/1996 | 47.31 | 63.27 | -15.96 |
| WCC-12S | 9/18/1996 | 47.31 | 63.19 | -15.88 |
| WCC-12S | 12/18/1996 | 47.31 | 62.87 | -15.56 |
| WCC-12S | 5/6/1997 | 47.31 | 62.46 | -15.15 |
| WCC-12S | 7/1/1997 | 47.31 | 62.38 | -15.07 |
| WCC-12S | 7/22/1997 | 47.31 | 62.44 | -15.13 |
| WCC-12S | 8/4/1997 | 47.31 | 62.40 | -15.09 |
| WCC-12S | 8/19/1997 | 47.31 | 62.34 | -15.03 |
| WCC-12S | 9/3/1997 | 47.31 | 62.41 | -15.10 |
| WCC-12S | 9/16/1997 | 47.31 | 62.33 | -15.02 |
| WCC-12S | 7/14/1998 | 47.31 | 61.27 | -13.96 |
| WCC-12S | 9/22/1998 | 47.31 | 61.37 | -14.06 |
| WCC-12S | 10/16/1998 | 47.31 | 61.28 | -13.97 |
| WCC-12S | 3/6/1999 | 47.31 | 61.20 | -13.89 |
| WCC-12S | 7/12/1999 | 47.31 | 60.88 | -13.57 |
| WCC-12S | 6/20/2000 | 47.31 | 61.16 | -13.85 |
| WCC-12S | 1/15/2001 | 46.93 | 60.95 | -14.02 |
| WCC-12S | 7/16/2001 | 46.93 | 60.64 | -13.71 |
| WCC-12S | 3/21/2002 | 46.92 | 60.44 | -13.52 |
| WCC-12S | 9/13/2002 | 46.92 | 60.70 | -13.78 |

Notes:

NA = Not available

MSL = Mean Sea Level

QA/QC: BB
Date 5/27/03

Table IV
Volatile Organic Compounds by EPA Method 8260B - March 2003
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1,1,2-Tetra-chloro-ethane ug/L | 1,1,1-Trichloro-ethane ug/L | 1,1,2,2-Tetra-chloro-ethane ug/L | 1,1,2-Trichloro-ethane ug/L | 1,1,2-Trichloro-trifluoro-ethane ug/L | 1,1-Dichloro-ethane ug/L | 1,1-Dichloro-ethene ug/L | 1,1-Dichloro-propene ug/L | 1,2,3-Trichloro-benzene ug/L | 1,2,3-Trichloro-propane ug/L | 1,2,4-Trichloro-benzene ug/L | 1,2,4-Trimethyl-benzene ug/L | 1,2-Dibromo-3-chlore-propane ug/L | 1,2-Dibromo-ethane ug/L | 1,2-Dichloro-benzene ug/L |
|-----------------------------|--------------|----------------------------------|-----------------------------|----------------------------------|-----------------------------|---------------------------------------|--------------------------|--------------------------|---------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------------|-------------------------|---------------------------|
| BL_03 | 03/27/03 | <12 | <12 | <12 | <12 | | <12 | 16 | <12 | <12 | <12 | <12 | <25 | <12 | <12 | |
| BL_03_DUP | 03/27/03 | <12 | <12 | <12 | <12 | | <12 | 16 | <12 | <12 | <12 | <12 | <25 | <12 | <12 | |
| DAC_P1 | 03/28/03 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <600 | <250 | <250 | |
| TMW_01 | 03/27/03 | <25 | <25 | <25 | <25 | | <25 | 100 | <25 | <25 | <25 | <25 | <50 | <25 | <25 | |
| TMW_02 | 03/28/03 | <250 | 1300 | <250 | <250 | <250 | 1500 | 23000 | <250 | <250 | <250 | <250 | <500 | <250 | <250 | |
| TMW_04 | 03/27/03 | <25 | <25 | <25 | 9.8J | | 25 | 1200 | <25 | <25 | <25 | <25 | <50 | <25 | <25 | |
| TMW_05 | 03/28/03 | <100 | <100 | <100 | <100 | | <100 | 610 | <100 | <100 | <100 | <100 | <200 | <100 | <100 | |
| TMW_06 | 03/26/03 | <5 | <5 | <5 | <5 | | <5 | 6 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | |
| TMW_07 | 03/27/03 | <25 | <25 | <25 | <25 | | 9.7J | 560 | <25 | <25 | <25 | <25 | <50 | <25 | <25 | |
| TMW_08 | 03/28/03 | <50 | <50 | <50 | <50 | | <50 | 62 | 3800 | <50 | <50 | <50 | <100 | <50 | <50 | |
| TMW_09 | 03/26/03 | <25 | <25 | <25 | <25 | | <25 | 240 | <25 | <25 | <25 | <25 | <50 | <25 | <25 | |
| TMW_10 | 03/26/03 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| TMW_11 | 03/26/03 | <10 | <10 | <10 | <10 | | <10 | <10 | <10 | <10 | <10 | <10 | <20 | <10 | <10 | |
| TMW_14 | 03/26/03 | <1 | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| TMW_15 | 03/26/03 | <1 | <1 | <1 | <1 | | <1 | 0.58J | <1 | <1 | <1 | <1 | 0.42J | <1 | <1 | |
| WCC_03S | 03/27/03 | <100 | 96J | <100 | <100 | | 75J | 4000 | <100 | <100 | <100 | <100 | <200 | <100 | <100 | |
| WCC_05S | 03/25/03 | <1 | <1 | <1 | <1 | | <1 | 1.6 | 7.4 | <1 | <1 | <1 | <1 | <1 | <1 | |
| WCC_06S | 03/25/03 | <120 | 210 | <120 | <120 | | 230 | 9400 | <120 | <120 | <120 | <120 | <250 | <120 | <120 | |
| WCC_07S | 03/28/03 | <2.5 | <2.5 | <2.5 | 1.4J | | 2.5 | 1J | 170 | <2.5 | <2.5 | <2.5 | <2.5 | <5 | <2.5 | |
| WCC_09S | 03/26/03 | <1 | <1 | <1 | <1 | | <1 | 3.7 | <1 | <1 | <1 | <1 | <2 | <1 | <1 | |
| XMW_19 | 03/28/03 | <2 | <2 | <2 | <2 | | <2 | 0.7J | <2 | <2 | <2 | <2 | <4 | <2 | <2 | |
| XMW_19_DUP | 03/28/03 | <2 | <2 | <2 | <2 | | <2 | <2 | <2 | <2 | <2 | <2 | <4 | <2 | <2 | |
| Quality Control Data | | | | | | | | | | | | | | | | |
| Trip Blanks | | | | | | | | | | | | | | | | |
| TB_TAIT032503_0001 | 03/25/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| TB_TAIT032603_0001 | 03/26/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| TB_TAIT032703_0001 | 03/27/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| TB_TAIT032803_0001 | 03/28/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Equipment Blanks | | | | | | | | | | | | | | | | |
| EB_TAIT032703_0001 | 03/27/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| EB_TAIT032803_0001 | 03/28/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Field Blanks | | | | | | | | | | | | | | | | |
| FB_TAIT032703_0001 | 03/27/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| FB_TAIT032803_0001 | 03/28/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |
| Decon Water | | | | | | | | | | | | | | | | |
| DW_TAIT032703_0001 | 03/27/03 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | |

Note:

J = Estimated value

ug/L = Micrograms per liter

Table IV
Volatile Organic Compounds by EPA Method 8260B - March 2003
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,2-Dichloro ethane ug/L | 1,3,5- Trimethyl benzene ug/L | 1,3-Dichloro benzene ug/L | 1,4-Dichloro benzene ug/L | 2,2-Dichloro propane ug/L | 2-Butanone ug/L | 2-Chloro ethyl vinyl ether ug/L | 2-Chloro toluene ug/L | 2-Hexanone ug/L | 4-Chloro toluene ug/L | 4-Methyl- 2-pentanone ug/L | Acetone ug/L | Acrolein ug/L | Acrylo- nitrile ug/L | Benzene ug/L |
|-----------------------------|--------------|--------------------------------|--|---------------------------------|---------------------------------|---------------------------------|--------------------|--|-----------------------------|--------------------|-----------------------------|----------------------------------|-----------------|------------------|----------------------------|-----------------|
| BL_03 | 03/27/03 | <6.2 | <12 | <12 | <12 | <12 | <62 | <62 | <12 | <62 | <12 | <62 | <120 | <250 | <250 | <12 |
| BL_03_DUP | 03/27/03 | <6.2 | <12 | <12 | <12 | <12 | <62 | <62 | <12 | <62 | <12 | <62 | <120 | <250 | <250 | <12 |
| DAC_P1 | 03/28/03 | <120 | <250 | <250 | <250 | <250 | <1200 | <1200 | <250 | <1200 | <250 | <1200 | <2500 | <5000 | <5000 | <250 |
| TMW_01 | 03/27/03 | <12 | <25 | <25 | <25 | <25 | <120 | <120 | <25 | <120 | <25 | <120 | <250 | <500 | <500 | <25 |
| TMW_02 | 03/28/03 | <120 | <250 | <250 | <250 | <250 | <1200 | <1200 | <250 | <1200 | <250 | <1200 | <2500 | <5000 | <5000 | <250 |
| TMW_04 | 03/27/03 | 12 | <25 | <25 | <25 | <25 | <120 | <120 | <25 | <120 | <25 | <120 | <250 | <500 | <500 | <25 |
| TMW_05 | 03/28/03 | <50 | <100 | <100 | <100 | <100 | <500 | <500 | <100 | <500 | <100 | <500 | <1000 | <2000 | <2000 | <100 |
| TMW_06 | 03/26/03 | <2.5 | <5 | <5 | <5 | <5 | <25 | <25 | <5 | <25 | <5 | <25 | <50 | <100 | <100 | <5 |
| TMW_07 | 03/27/03 | <12 | <25 | <25 | <25 | <25 | <120 | <120 | <25 | <120 | <25 | <120 | <250 | <500 | <500 | <25 |
| TMW_08 | 03/28/03 | <25 | <50 | <50 | <50 | <50 | <250 | <250 | <50 | <250 | <50 | <250 | <500 | <1000 | <1000 | 27J |
| TMW_09 | 03/26/03 | <12 | <25 | <25 | <25 | <25 | <120 | <120 | <25 | <120 | <25 | <120 | <250 | <500 | <500 | <25 |
| TMW_10 | 03/26/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| TMW_11 | 03/26/03 | <5 | <10 | <10 | <10 | <10 | <50 | <50 | <10 | <50 | <10 | <50 | 53J | <200 | <200 | <10 |
| TMW_14 | 03/26/03 | <0.5 | <1 | <1 | <1 | <1 | 5.6 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| TMW_15 | 03/26/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| WCC_03S | 03/27/03 | <50 | <100 | <100 | <100 | <100 | <500 | <500 | <100 | <500 | <100 | <500 | <1000 | <2000 | <2000 | 46J |
| WCC_05S | 03/25/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| WCC_06S | 03/25/03 | 54J | <120 | <120 | <120 | <120 | <620 | <620 | <120 | <620 | <120 | <620 | <1200 | <2500 | <2500 | 67J |
| WCC_07S | 03/28/03 | <1.2 | <2.5 | <2.5 | <2.5 | <2.5 | <12 | <12 | <2.5 | <12 | <2.5 | <12 | <25 | <50 | <50 | <2.5 |
| WCC_09S | 03/26/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| XMW_19 | 03/28/03 | <1 | <2 | <2 | <2 | <2 | <10 | <10 | <2 | <10 | <2 | <10 | <20 | <40 | <40 | <2 |
| XMW_19_DUP | 03/28/03 | <1 | <2 | <2 | <2 | <2 | <10 | <10 | <2 | <10 | <2 | <10 | <20 | <40 | <40 | <2 |
| Quality Control Data | | | | | | | | | | | | | | | | |
| Trip Blanks | | | | | | | | | | | | | | | | |
| TB_TAIT032503_0001 | 03/25/03 | <0.5 | <1 | <1 | <1 | <1 | 39 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| TB_TAIT032603_0001 | 03/28/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | 5.3J | <20 | <20 | <1 |
| TB_TAIT032703_0001 | 03/27/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| TB_TAIT032803_0001 | 03/28/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | 5.1J | <20 | <20 | <1 |
| Equipment Blanks | | | | | | | | | | | | | | | | |
| EB_TAIT032703_0001 | 03/27/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| EB_TAIT032803_0001 | 03/28/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| Field Blanks | | | | | | | | | | | | | | | | |
| FB_TAIT032703_0001 | 03/27/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |
| FB_TAIT032803_0001 | 03/28/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | 3.3J | <20 | <20 | <1 |
| Decon Water | | | | | | | | | | | | | | | | |
| DW_TAIT032703_0001 | 03/27/03 | <0.5 | <1 | <1 | <1 | <1 | <5 | <5 | <1 | <5 | <1 | <5 | <10 | <20 | <20 | <1 |

Note:
J = Estimated value
ug/L = Micrograms per liter

Table IV
Volatile Organic Compounds by EPA Method 8260B - March 2003
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | Bromo benzene ug/L | Bromo chloro methane ug/L | Bromo dichloro methane ug/L | Bromo form ug/L | Bromo methane ug/L | Carbon disulfide ug/L | Carbon tetrachloride ug/L | Chloro benzene ug/L | Chloro ethane ug/L | Chloro form ug/L | Chloro methane ug/L | cis-1,2-Dichloro ethene ug/L | Dibromo chloro methane ug/L | Dichloro difluoro methane ug/L | Ethyl benzene ug/L |
|-----------------------------|--------------|--------------------|---------------------------|-----------------------------|-----------------|--------------------|-----------------------|---------------------------|---------------------|--------------------|------------------|---------------------|------------------------------|-----------------------------|--------------------------------|--------------------|
| BL_03 | 03/27/03 | <12 | <12 | <12 | <12 | <25 | <12 | <6.2 | <12 | <25 | <12 | <25 | 29 | <12 | <12 | <12 |
| BL_03_DUP | 03/27/03 | <12 | <12 | <12 | <12 | <25 | <12 | <6.2 | <12 | <25 | <12 | <25 | 41 | <12 | <12 | <12 |
| DAC_P1 | 03/28/03 | <250 | <250 | <250 | <250 | <500 | <250 | <120 | <250 | <500 | <250 | <500 | 89J | <250 | <250 | <250 |
| TMW_01 | 03/27/03 | <25 | <25 | <25 | <25 | <50 | <25 | <12 | <25 | <50 | <25 | <50 | <25 | <25 | <25 | <25 |
| TMW_02 | 03/28/03 | <250 | <250 | <250 | <250 | <500 | <250 | <120 | <250 | <500 | <250 | <500 | 4700 | <250 | <250 | <250 |
| TMW_04 | 03/27/03 | <25 | <25 | <25 | <25 | <50 | <25 | <12 | <25 | <50 | <25 | <50 | 44 | <25 | <25 | <25 |
| TMW_05 | 03/28/03 | <100 | <100 | <100 | <100 | <200 | <100 | <50 | <100 | <200 | <100 | <200 | 41J | <100 | <100 | <100 |
| TMW_06 | 03/26/03 | <5 | <5 | <5 | <5 | <10 | <5 | <2.5 | <5 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| TMW_07 | 03/27/03 | <25 | <25 | <25 | <25 | <50 | <25 | <12 | <25 | <50 | <25 | <50 | 18J | <25 | <25 | <25 |
| TMW_08 | 03/28/03 | <50 | <50 | <50 | <50 | <100 | <50 | <25 | <50 | <100 | <50 | <100 | 94 | <50 | <50 | <50 |
| TMW_09 | 03/26/03 | <25 | <25 | <25 | <25 | <50 | <25 | <12 | <25 | <50 | <25 | <50 | 11J | <25 | <25 | <25 |
| TMW_10 | 03/26/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <2 | <2 | <1 | <1 | 2.4 | <1 |
| TMW_11 | 03/26/03 | <10 | <10 | <10 | <10 | <20 | <10 | 3.4J | <10 | <20 | 390 | <20 | <10 | <10 | <10 | <10 |
| TMW_14 | 03/26/03 | <1 | <1 | <1 | <1 | <2 | <1 | <1.8 | <1 | <2 | 3.3 | <2 | <1 | <1 | <1 | <1 |
| TMW_15 | 03/26/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | 4.2 | <2 | 2 | <1 | <1 | <1 |
| WCC_03S | 03/27/03 | <100 | <100 | <100 | <100 | <200 | <100 | <50 | <100 | <200 | <100 | <200 | 910 | <100 | <100 | <100 |
| WCC_05S | 03/25/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | 1.3 | <1 | <1 | <1 |
| WCC_06S | 03/25/03 | <120 | <120 | <120 | <120 | <250 | <120 | <62 | <120 | <250 | 38J | <250 | 4900 | <120 | <120 | <120 |
| WCC_07S | 03/28/03 | <2.5 | <2.5 | <2.5 | <2.5 | <5 | <2.5 | <1.2 | <2.5 | <5 | <2.5 | <5 | 2.1J | <2.5 | <2.5 | <2.5 |
| WCC_09S | 03/26/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | 12 | > | 3.2 | <1 | 0.48J | <1 |
| XMW_19 | 03/28/03 | <2 | <2 | <2 | <2 | <4 | <2 | <1 | <2 | <4 | 86 | <4 | 0.75J | <2 | <2 | <2 |
| XMW_19_DUP | 03/28/03 | <2 | <2 | <2 | <2 | <4 | <2 | <1 | <2 | <4 | 86 | <4 | 0.73J | <2 | <2 | <2 |
| Quality Control Data | | | | | | | | | | | | | | | | |
| Trip Blanks: | | | | | | | | | | | | | | | | |
| TB_TAIT032503_0001 | 03/25/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| TB_TAIT032603_0001 | 03/26/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| TB_TAIT032703_0001 | 03/27/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| TB_TAIT032803_0001 | 03/28/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| Equipment Blanks | | | | | | | | | | | | | | | | |
| EB_TAIT032703_0001 | 03/27/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| EB_TAIT032803_0001 | 03/28/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| Field Blanks | | | | | | | | | | | | | | | | |
| FB_TAIT032703_0001 | 03/27/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| FB_TAIT032803_0001 | 03/28/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |
| Decon Water | | | | | | | | | | | | | | | | |
| DW_TAIT032703_0001 | 03/27/03 | <1 | <1 | <1 | <1 | <2 | <1 | <0.5 | <1 | <2 | <1 | <2 | <1 | <1 | <1 | <1 |

Note:

J = Estimated value

ug/L = Micrograms per liter

Table IV
Volatile Organic Compounds by EPA Method 8260B - March 2003
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | Hexa chloro butadiene ug/L | Iodo methane ug/L | Isopropyl ether ug/L | Isopropyl benzene ug/L | Methyl tert-butyl ether ug/L | Methylene chloride ug/L | n-Butyl benzene ug/L | n-Propyl benzene ug/L | p-Isopropyl toluene ug/L | sec-Butyl benzene ug/L | Styrene ug/L | t-Butanol ug/L | tert-amyl methyl ether ug/L | tert-butyl ethyl ether ug/L | tert-Butyl benzene ug/L |
|-----------------------------|--------------|----------------------------|-------------------|----------------------|------------------------|------------------------------|-------------------------|----------------------|-----------------------|--------------------------|------------------------|--------------|----------------|-----------------------------|-----------------------------|-------------------------|
| BL_03 | 03/27/03 | <12 | <25 | <25 | <12 | <12 | <12 | <12 | <12 | <12 | <12 | <12 | <310 | <25 | <25 | <12 |
| BL_03_DUP | 03/27/03 | <12 | <25 | <25 | <12 | <12 | <12 | <12 | <12 | <12 | <12 | <12 | <310 | <25 | <25 | <12 |
| DAC_P1 | 03/28/03 | <250 | <500 | | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | | | | <250 |
| TMW_01 | 03/27/03 | <25 | <50 | <50 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <620 | <50 | <50 | <25 |
| TMW_02 | 03/28/03 | <250 | <500 | | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | | | | <250 |
| TMW_04 | 03/27/03 | <25 | <50 | <50 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <620 | <50 | <50 | <25 |
| TMW_05 | 03/28/03 | <100 | <200 | | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | | | | <100 |
| TMW_06 | 03/26/03 | <5 | <10 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <120 | <10 | <10 | <5 |
| TMW_07 | 03/27/03 | <25 | <50 | <50 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <620 | <50 | <50 | <25 |
| TMW_08 | 03/28/03 | <50 | <100 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | | | | <50 |
| TMW_09 | 03/26/03 | <25 | <50 | <50 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <620 | <50 | <50 | <25 |
| TMW_10 | 03/26/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| TMW_11 | 03/26/03 | <10 | <20 | <20 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <250 | <20 | <20 | <10 |
| TMW_14 | 03/26/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <25 | <2 | <1 |
| TMW_15 | 03/26/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| WCC_03S | 03/27/03 | <100 | <200 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <2500 | <200 | <200 | <100 |
| WCC_05S | 03/25/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| WCC_06S | 03/25/03 | <120 | <250 | <250 | <120 | <120 | <120 | <120 | <120 | <120 | <120 | <120 | <3100 | <250 | <250 | <120 |
| WCC_07S | 03/28/03 | <2.5 | <5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <10 | <20 | <20 | <2.5 |
| WCC_08S | 03/26/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| XMW_19 | 03/28/03 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <25 | <2 | <2 | <2 |
| XMW_19_DUP | 03/28/03 | <2 | <4 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <25 | <2 | <2 | <2 |
| Quality Control Data | | | | | | | | | | | | | | | | |
| Trip Blanks | | | | | | | | | | | | | | | | |
| TB_TAIT032503_0001 | 03/25/03 | <1 | <2 | <2 | <1 | <1 | 0.34J | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| TB_TAIT032603_0001 | 03/26/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| TB_TAIT032703_0001 | 03/27/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| TB_TAIT032803_0001 | 03/28/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| Equipment Blanks | | | | | | | | | | | | | | | | |
| EB_TAIT032703_0001 | 03/27/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| EB_TAIT032803_0001 | 03/28/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| Field Blanks | | | | | | | | | | | | | | | | |
| FB_TAIT032703_0001 | 03/27/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| FB_TAIT032803_0001 | 03/28/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |
| Decon Water | | | | | | | | | | | | | | | | |
| DW_TAIT032703_0001 | 03/27/03 | <1 | <2 | <2 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <25 | <2 | <2 | <1 |

Note:
J = Estimated value
ug/L = Micrograms per liter

Table IV
Volatile Organic Compounds by EPA Method 8260B - March 2003
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | Tetra chloro ethene ug/L | Tetra hydro furan ug/L | Toluene ug/L | trans-1,2-Dichloro ethene ug/L | Trichloro ethene ug/L | Trichloro fluoro-methane ug/L | Vinyl acetate ug/L | Vinyl chloride ug/L | Xylenes (total) ug/L |
|-----------------------------|--------------|-----------------------------|---------------------------|-----------------|-----------------------------------|--------------------------|----------------------------------|-----------------------|------------------------|-------------------------|
| BL_03 | 03/27/03 | 21 | <120 | <12 | <12 | 890 | <25 | <62 | <6.2 | <12 |
| BL_03_DUP | 03/27/03 | 24 | <120 | <12 | <12 | 920 | <25 | <62 | <6.2 | <12 |
| DAC_Pt | 03/28/03 | <250 | <2500 | <250 | <250 | 13000 | <500 | <1200 | <120 | <250 |
| TMW_01 | 03/27/03 | <25 | <250 | <25 | <25 | 860 | 32J | <120 | <12 | <25 |
| TMW_02 | 03/28/03 | <250 | <2500 | 710 | 380 | 14000 | <500 | <1200 | <120 | <250 |
| TMW_04 | 03/27/03 | <25 | <250 | <25 | 31 | 2000 | <50 | <120 | <12 | <25 |
| TMW_05 | 03/28/03 | <100 | <1000 | <100 | <100 | 4300 | <200 | <500 | <50 | <100 |
| TMW_06 | 03/28/03 | 5 | <50 | <5 | <5 | 67 | <10 | <25 | <2.5 | <5 |
| TMW_07 | 03/27/03 | <25 | <250 | <25 | 13J | 1700 | <50 | <120 | <12 | <25 |
| TMW_08 | 03/28/03 | <50 | <500 | <50 | 76 | 3700 | <100 | <250 | <25 | <50 |
| TMW_09 | 03/26/03 | <25 | <250 | <25 | <25 | 900 | <50 | <120 | <12 | <25 |
| TMW_10 | 03/26/03 | 1 | <10 | 0.58J | <1 | 4.9 | 1.5J | <5 | <0.5 | <1 |
| TMW_11 | 03/26/03 | 5.8J | <100 | <10 | <10 | 7.1J | <20 | <50 | <5 | <10 |
| TMW_14 | 03/26/03 | 1.6 | <10 | 0.33J | <1 | 10 | <2 | <5 | <0.5 | <1 |
| TMW_15 | 03/26/03 | <1 | <10 | 2.5 | <1 | 26 | <2 | <5 | <0.5 | <1 |
| WCC_03S | 03/27/03 | <100 | <1000 | 9600 | 110 | 1500 | <200 | <500 | <50 | <100 |
| WCC_05S | 03/25/03 | <1 | <10 | <1 | <1 | 3.6 | 0.32J | <5 | <0.5 | <1 |
| WCC_06S | 03/25/03 | <120 | <1200 | 7700 | 200 | 400 | <250 | <620 | <62 | <120 |
| WCC_07S | 03/28/03 | <2.5 | <25 | <2.5 | <2.5 | 120 | <5 | <12 | <1.2 | <2.5 |
| WCC_09S | 03/26/03 | 0.31J | <10 | <1 | <1 | 29 | 0.4J | <5 | <0.5 | <1 |
| XMW_19 | 03/28/03 | <2 | <20 | <2 | <2 | 8.7 | <4 | <10 | <1 | <2 |
| XMW_19_DUP | 03/28/03 | 0.6J | <20 | <2 | <2 | 8.5 | <4 | <10 | <1 | <2 |
| Quality Control Data | | | | | | | | | | |
| Trip Blanks | | | | | | | | | | |
| TB_TAIT032503_0001 | 03/25/03 | <1 | 36 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |
| TB_TAIT032603_0001 | 03/26/03 | <1 | <10 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |
| TB_TAIT032703_0001 | 03/27/03 | <1 | <10 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |
| TB_TAIT032803_0001 | 03/28/03 | <1 | <10 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |
| Equipment Blanks | | | | | | | | | | |
| EB_TAIT032703_0001 | 03/27/03 | <1 | <10 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |
| EB_TAIT032803_0001 | 03/28/03 | <1 | <10 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |
| Field Blanks | | | | | | | | | | |
| FB_TAIT032703_0001 | 03/27/03 | <1 | <10 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |
| FB_TAIT032803_0001 | 03/28/03 | <1 | <10 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |
| Decon Water | | | | | | | | | | |
| DW_TAIT032703_0001 | 03/27/03 | <1 | <10 | <1 | <1 | <1 | <2 | <5 | <0.5 | <1 |

Note:
J = Estimated value
ug/L = Micrograms per liter

QA/QC: BB
Date 5/27/03

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1,- | 1,1,1- | 1,1,2- | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MIBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane |
|--------|--------------|-------|--------|--------|---------|---------|-------------------|-----------------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|------|-----|------|---------|---------------|-----------------|------------------------|
| | | DCA | TCA | TCA | ug/L | ug/L | | | | | | | | | | | | | | | | |
| WCC-1S | 3/27/1987 | 300 | 260 | 2800 | | | | | 85 | | | | | | | | | | | | 4600 | |
| | 4/3/1987 | | 260 | | 3700 | | | | 110 | | | | | | | | | | | | 5500 | |
| Dup | 11/12/1987 | 23 | 160 | | 3000 | | | | 160 | | | | | | | | | | | | 5200 | |
| | 4/13/1988 | | 120 | | 2500 | | | | | | | | | | | | | | | | 3600 | |
| | 7/13/1989 | <20 | 67 | | 900 | | | | | | | | | | | | | | | | 2400 | |
| | 8/23/1989 | 30 | <30 | | 1500 | | | | | | | | | | | | | | | | 2800 | |
| | 11/18/1991 | | | | 1300 | | | | | | | | | | | | | | | | 3700 | |
| | 6/17/1992 | <50 | <50 | | 1700 | | | | | | | | | | | | | | | | 3800 | |
| | 9/23/1992 | 13 | 16 | <1 | 1500 | <1 | | <1 | <5 | 37 | 22 | <1 | <50 | <5 | <50 | <100 | | | | | <50 | |
| | 12/9/1992 | <30 | <30 | <30 | 1500 | <30 | | <30 | <100 | 30 | <30 | <30 | <20 | <20 | <20 | <100 | | | | | 3400 | |
| | 3/18/1993 | 13 | 15 | <2 | 1000 | <2 | | <2 | <10 | 33 | <5 | <5 | <14 | <14 | <15 | <100 | | | | | 3100 | |
| | 6/8/1993 | <20 | <20 | <20 | 1200 | <20 | | <20 | <400 | 35 | <20 | <20 | <20 | <27 | <20 | <400 | | | | | <30 | |
| | 8/25/1993 | <20 | <20 | <40 | 1700 | <20 | | <20 | <400 | 42 | <20 | <20 | <20 | <27 | <20 | <400 | | | | | 2100 | |
| | 11/19/1993 | <20 | <20 | <40 | 1600 | <20 | | <20 | <400 | 38 | <20 | <20 | <20 | <25 | <20 | <400 | | | | | <2 | |
| | 2/24/1994 | <20 | <20 | <40 | 1800 | <20 | | <20 | <400 | 39 | <20 | <20 | <20 | <33 | <21 | <400 | | | | | <1 | |
| | 6/13/1994 | 11 | 11 | <20 | 1000 | <10 | | <10 | <200 | <10 | <10 | <10 | <10 | <20 | <16 | <200 | <50 | <100 | <10 | 1700 | <10 | |
| | 9/9/1994 | <40 | <40 | <80 | 1400 | <40 | | <40 | <800 | 40 | <40 | <40 | <40 | <40 | <40 | <800 | | | | | 2300 | |
| | 12/22/1994 | 23 | 24 | <40 | 3000 | <20 | | <20 | <400 | 57 | <20 | <20 | <20 | <38 | <36 | <400 | | | | | <40 | |
| | 3/14/1995 | <20 | <20 | <40 | 2000 | <20 | | <20 | <400 | 34 | <20 | <20 | <20 | <22 | <22 | <400 | | | | | <20 | |
| | 6/13/1995 | 20 | <20 | <40 | 2700 | <20 | | <20 | <400 | 45 | <20 | <20 | <20 | <29 | <31 | <400 | | | | | <40 | |
| | 9/7/1995 | 22 | 22 | <5 | 1800 | <5 | | <5 | <10 | 51 | <5 | <5 | <16 | <37 | <37 | <10 | <5 | <10 | <5 | 2600 | <5 | |
| | 12/15/1995 | 26 | 22 | <2 | 2900 | <2 | | <2 | <2 | 42 | <2 | <2 | <17 | <34 | <40 | <2 | <2 | <2 | <2 | 2600 | <2 | |
| | 3/4/1996 | 27 | 24 | <20 | 3000 | <20 | | <20 | <40 | 20 | <20 | <20 | <20 | <35 | <45 | <40 | <40 | <40 | <20 | 2700 | <20 | |
| | 6/7/1996 | 27 | 20 | <5 | 2500 | <5 | | <5 | <10 | 7 | <5 | <5 | <12 | <28 | <39 | <10 | <5 | <5 | <5 | 2200 | <5 | |
| | 9/19/1996 | <50 | <50 | <50 | 3200 | <50 | | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <63 | <500 | <50 | <50 | <50 | 2400 | <50 | |
| Dup | 12/15/1996 | 26 | 22 | <2 | 2800 | <2 | | <2 | <2 | 42 | <2 | <2 | <16 | <33 | <40 | <2 | <2 | <2 | <2 | 2560 | <2 | |
| Dup | 12/18/1996 | <50 | <50 | <50 | 2600 | <50 | | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <500 | <50 | <50 | <50 | 2200 | <50 | |
| Dup | 12/18/1996 | <50 | <50 | <50 | 3400 | <50 | | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <63 | <500 | <50 | <50 | <50 | 2700 | <50 | |
| Dup | 12/18/1997 | <50 | <50 | <50 | 2600 | <50 | | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <500 | <50 | <50 | <50 | 2300 | <50 | |
| WCC-1D | 7/25/1989 | <1 | <1 | <1 | | | | | <1 | | | | | | | | | | | 2 | | |
| | 8/23/1989 | <1 | 1 | <1 | | | | | <1 | | | | | | | | | | | 2 | | |
| | 11/15/1991 | 8 | 90 | | | | | | | | | | | | | | | | | 40 | | |
| Dup | 6/15/1992 | <25 | 63 | | 1500 | | | | | | | | | | | | | | | 230 | | |
| Dup | 6/15/1992 | <26 | 64 | | 1300 | | | | | | | | | | | | | | | 210 | | |
| | 9/22/1992 | <1 | 8 | <1 | 180 | | | | | | | | | | | | | | | <25 | | |
| Dup | 12/7/1992 | <1 | 8 | <1 | 160 | | | | | | | | | | | | | | | 11 | | |
| | 3/16/1993 | <2 | 19 | <2 | 200 | | | | | | | | | | | | | | | 44 | | |
| Dup | 6/8/1993 | <10 | <14 | <20 | 500 | <10 | | | | | | | | | | | | | | 41 | | |
| | 8/24/1993 | <4 | 17 | <8 | 480 | <4 | | | | | | | | | | | | | | 71 | | |
| | 11/18/1993 | <2 | 16 | <4 | 540 | <2 | | | | | | | | | | | | | | 67 | | |
| | 2/23/1994 | <2 | 3 | <4 | 140 | <2 | | | | | | | | | | | | | | 110 | | |
| | 6/10/1994 | <2 | 3.7 | <4 | 230 | <2 | | | | | | | | | | | | | | 14 | | |
| | 9/8/1994 | <2 | 3.6 | <4 | 210 | <2 | | | | | | | | | | | | | | 24 | | |
| | 12/22/1994 | <2 | 10 | <4 | 600 | <2 | | | | | | | | | | | | | | 37 | | |
| | 3/13/1995 | <2 | 4 | <8 | 240 | <4 | | | | | | | | | | | | | | 71 | | |
| | 6/13/1995 | <2 | 2 | <4 | 170 | <2 | | | | | | | | | | | | | | 2.2 | | |
| | 9/3/1995 | <5 | 5 | <5 | 150 | <5 | | | | | | | | | | | | | | 4 | | |
| | 12/16/1995 | <2 | 2 | <2 | 12 | <2 | | | | | | | | | | | | | | 4 | | |
| | 2/29/1996 | <5 | 5 | <5 | 5 | <5 | | | | | | | | | | | | | | 5 | | |
| Dup | 2/29/1996 | <5 | 5 | <5 | 5 | <5 | | | | | | | | | | | | | | 5 | | |
| | 6/6/1996 | <5 | 5 | <5 | 5 | <5 | | | | | | | | | | | | | | 5 | | |
| | 9/18/1996 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | 5 | | |
| Dup | 9/18/1996 | <1 | <0.5 | <1 | <1 | <1 | | | | | | | | | | | | | | 5 | | |
| | 12/18/1996 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | 5 | | |
| | 5/7/1997 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | 5 | | |
| | 7/8/1997 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | 5 | | |
| | 7/23/1997 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | 5 | | |
| | 8/5/1997 | <1 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | 5 | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DGE | 1,2-DCA | Isopropyl benzene | Acetone | Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MIBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane |
|--------|--------------|---------|-----------|-----------|---------|---------|-------------------|---------|---------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|-------|-------|--------|---------|---------------|-----------------|------------------------|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| WCC-1D | 8/20/1997 | <1 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <1 | <10 | <1 | 2.6 | <1 | <1 | <1 | <1 | <1 |
| | 9/4/1997 | <1 | 1.2 | <1 | 6.3 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 25 | 27 | <1 | <1 | <1 |
| | 9/17/1997 | <1 | 1.2 | <1 | 6 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 28 | 26 | <1 | <1 | <1 |
| WCC-2S | 11/2/1987 | 5 | 5 | | | | | | | | | | | | | | | | | | 6 | | |
| | 11/12/1987 | 1 | 2 | | | | | | | | | | | | | | | | | | 4 | 1 | |
| | 7/13/1989 | <1 | <1 | <1 | | | | | | | | | | | | | | | | | 5 | <1 | |
| | 8/23/1989 | <1 | <1 | <1 | | | | | | | | | | | | | | | | | 3 | <1 | |
| | 11/19/1991 | 8 | 30 | | | | | | | | | | | | | | | | | | 110 | 75 | |
| | 6/16/1992 | <5 | <5 | | 30 | | | | | | | | | | | | | | | | 100 | <5 | |
| Dup | 9/22/1992 | <1 | <1 | <1 | <1 | 18 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 110 | 1 | | | |
| Dup | 12/8/1992 | <1 | 2 | <1 | <1 | 49 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 97 | 1 | | | |
| Dup | 3/17/1993 | <2 | 2 | <1 | 27 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 140 | <1 | | | |
| Dup | 3/17/1993 | <2 | <2 | <2 | 32 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 99 | <1 | | | |
| | 6/7/1993 | <2 | <2 | <2 | 48 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 110 | <2 | | | |
| | 8/24/1993 | <2 | <2 | <2 | 16 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 150 | <2 | | | |
| | 11/19/1993 | <2 | <2 | <2 | 41 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 90 | <2 | | | |
| | 2/24/1994 | <2 | <2 | <2 | 30 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 94 | <2 | | | |
| | 6/10/1994 | <2 | <2 | <2 | 24 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 96 | <2 | | | |
| | 9/8/1994 | <2 | <2 | <2 | 37 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 150 | <2 | | | |
| | 12/22/1994 | <2 | <2 | <2 | 28 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 110 | <2 | | | |
| | 3/13/1995 | <2 | <2 | <2 | 27 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 160 | <2 | | | |
| | 6/12/1995 | <2 | <2 | <2 | 30 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 130 | <2 | | | |
| | 9/6/1995 | <5 | <5 | <5 | 56 | <5 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 60 | <5 | | | |
| | 12/15/1995 | <2 | <2 | <2 | 15 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 21 | <5 | | | |
| | 3/1/1996 | <5 | <5 | <5 | 5 | <5 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 33 | <5 | | | |
| | 6/6/1996 | <5 | <5 | <5 | 7 | <5 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 120 | <5 | | | |
| | 9/19/1996 | <1 | <1 | <1 | 23 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 98 | <1 | | | |
| | 12/18/1996 | <2 | <2 | <2 | 30 | <2 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 25 | <2 | | | |
| Dup | 5/7/1997 | <1 | <1 | <1 | 12 | <1 | <1 | <10 | <1 | <5 | <1 | <1 | <1 | <1 | <10 | <1 | <10 | <1 | 24 | <1 | | | |
| WCC-3S | 11/2/1987 | 110000 | 38000 | | | | | | | | | | | | | | | | 54000 | 10000 | 80000 | | |
| | 11/12/1987 | 1000 | 54000 | 88000 | | | | | | | | | | | | | | | 70000 | 11000 | 140000 | | |
| | 7/13/1989 | <500 | 56000 | 18000 | | | | | | | | | | | | | | | 3000 | 7700 | 32000 | | |
| | 8/23/1989 | <1000 | 78000 | 56000 | | | | | | | | | | | | | | | 6000 | 56000 | | | |
| | 11/14/1991 | 400 | 6900 | 12000 | | | | | | | | | | | | | | | 7900 | 27000 | | | |
| | 6/17/1992 | <5000 | 13000 | 25000 | | | | | | | | | | | | | | | 100000 | 13000 | 51000 | | |
| | 9/23/1992 | <500 | 7800 | <500 | 22000 | <500 | <500 | <30000 | <5000 | <5000 | <500 | <500 | <500 | <500 | <3000 | <500 | <500 | 900 | 82000 | <500 | 12000 | <500 | |
| Dup | 12/9/1992 | <500 | 5600 | <500 | 21000 | <500 | <500 | <3000 | <500 | <500 | <500 | <500 | <500 | <500 | <3000 | <500 | <500 | 600 | 90000 | <500 | 44000 | <500 | |
| Dup | 3/18/1993 | 650 | 21000 | 55 | 20000 | 100 | <10 | <50 | 240 | <25 | <25 | 120 | 650 | 6400 | <50 | <50 | <50 | 44000 | <10 | 8800 | 42000 | <25 | |
| Dup | 3/18/1993 | 510 | 22000 | 60 | 20000 | 95 | <10 | <50 | 260 | <25 | <25 | 110 | 640 | 670 | <50 | <50 | <50 | 45000 | <10 | 8800 | 42000 | <25 | |
| Dup | 6/8/1993 | 420 | 5900 | <200 | 16000 | <100 | <100 | <2000 | 210 | <100 | <100 | <100 | <100 | <100 | <200 | <200 | <200 | 79000 | <100 | 8600 | 37000 | <100 | |
| Dup | 8/25/1993 | 580 | 9500 | 52 | 20000 | 86 | <10 | <200 | 250 | <10 | <10 | <10 | <10 | <10 | <200 | <200 | <200 | 60000 | 11000 | 46000 | <400 | <400 | |
| Dup | 9/9/1994 | 580 | 98000 | 25000 | | | | | | | | | | | | | | | 5000 | 43000 | <500 | <1500 | <500 |
| | 12/22/1994 | 440 | 6700 | <400 | 20000 | <200 | <200 | <4000 | 200 | <200 | <200 | <200 | 6700 | 530 | <4000 | <1000 | <1000 | 3400 | <200 | 390 | 35000 | <400 | |
| | 3/14/1995 | 570 | 8700 | <400 | 24000 | <200 | <200 | <4000 | 230 | <200 | <200 | <200 | 6200 | 670 | <4000 | <1000 | <1000 | 4600 | <200 | 2300 | 40000 | <400 | |
| | 6/13/1995 | 450 | 4800 | <800 | 22000 | <400 | <400 | <8000 | 400 | <400 | <400 | <400 | 6300 | 500 | <8000 | <2000 | <2000 | 6600 | <400 | 1200 | 39000 | <400 | |
| | 9/7/1995 | 480 | 4100 | 64 | 13000 | 99 | <5 | 39 | 220 | <5 | <2 | 76 | 6000 | 520 | <200 | 23 | <4000 | <5 | 910 | 31000 | 18 | 137 | |
| | 12/16/1995 | 350 | 3100 | 22 | 12000 | 41 | <2 | <2 | 130 | <2 | <2 | 45 | 4400 | 400 | <200 | <2 | <2 | 670 | 23000 | 8 | 42 | <2 | |
| | 3/4/1996 | 230 | 1900 | <50 | 8400 | <50 | <50 | <100 | 100 | <50 | <50 | <50 | 3200 | 280 | <100 | <50 | <50 | 200 | <50 | 480 | 15000 | <50 | |
| | 9/19/1996 | 600 | 3500 | <500 | 20000 | <500 | <500 | <5000 | 500 | <2500 | <500 | <500 | 6300 | 860 | <5000 | <500 | <500 | 5000 | <500 | 29000 | <500 | <500 | |
| | 12/19/1996 | 380 | 2300 | <250 | 16000 | <250 | <250 | <2500 | 250 | <1200 | <250 | <250 | 4100 | 460 | <2500 | <250 | <250 | 2500 | <250 | 25000 | <250 | <250 | |
| Dup | 5/8/1997 | 140 | 470 | <120 | 6300 | <120 | <120 | <1200 | 120 | <620 | <120 | <120 | 2000 | 180 | <1200 | <120 | <120 | 230 | <8800 | <120 | <120 | <120 | |
| Dup | 5/8/1997 | <250 | 520 | 6200 | | | | | | | | | | | | | | | <2500 | 9100 | | | |
| | 7/8/1997 | <250 | 1100 | <250 | 9200 | <250 | <250 | <2500 | 250 | <1200 | <250 | <250 | 2900 | 260 | <2500 | <250 | <250 | 400 | 14000 | <250 | <250 | <250 | |
| | 7/24/1997 | 350 | 1900 | <250 | 14000 | <250 | <250 | <2500 | 250 | <1200 | <250 | <250 | 4000 | 380 | <2500 | <250 | <250 | 420 | 22000 | <250 | <250 | <250 | |
| | 8/6/1997 | 310 | 1500 | <250 | 12000 | <250 | <250 | <2500 | 250 | <1200 | <250 | <250 | 3900 | 350 | <2500 | <250 | <250 | 250 | 18000 | <250 | <250 | <250 | |
| | 8/22/1997 | 410 | 2200 | <250 | 16000 | <250 | <250 | <2500 | 250 | <1200 | <250 | <250 | 4600 | 540 | <2500 | <250 | <250 | 290 | 23000 | <250 | <250 | <250 | |
| | 9/5/1997 | 350 | 1600 | <250 | 13000 | <250 | <250 | < | | | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MIBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane | |
|--------|----------------|---------|-----------|-----------|---------|---------|-------------------|-----------------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|------|-------|-------|---------|---------------|-----------------|------------------------|------|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | | | | | | | | | | | | |
| WCC-3S | Dup. 9/18/1997 | 300 | 1600 | <250 | 13000 | <250 | <2500 | <250 | <1200 | <250 | 3600 | 360 | <2500 | <250 | <2500 | <250 | 260 | 18000 | <250 | <250 | <250 | <250 | |
| | 9/23/1998 | 870 | 4000 | <250 | 33000 | 870 | <250 | 390 | <250 | <250 | 9400 | 980 | <250 | <250 | <250 | <250 | 59000 | <250 | <500 | <500 | <250 | | |
| | 10/22/1998 | 1100 | 4700 | <250 | 41000 | 1100 | <250 | 470 | <250 | <250 | 11000 | 1300 | <250 | <250 | <250 | <250 | 490 | 68000 | <250 | <500 | <500 | <250 | |
| | 3/6/1999 | 500 | 1900 | <250 | 20000 | 500 | <250 | <250 | <250 | <250 | 4800 | 510 | <250 | <250 | <250 | <250 | 640 | 42000 | <250 | <500 | <500 | <250 | |
| | 7/16/1999 | 780 | 2700 | <250 | 32000 | 780 | <250 | 380 | <250 | <250 | 8600 | 1000 | <250 | <250 | <250 | <250 | 810 | 54000 | <250 | <500 | <500 | <250 | |
| | 6/26/2000 | 630 | 2400 | <125 | 25000 | <125 | <125 | 380 | <125 | <125 | 7600 | 840 | <250 | <250 | <250 | <250 | 770 | 48000 | <125 | <250 | <250 | <125 | |
| | 2/3/2001 | 550 | 1100 | <500 | 17000 | 100J | <500 | <5000 | 270 J | <500 | 4600 | 590 | <2500 | <500 | 3100 | <500 | 550 | 44000 | <500 | <500 | <500 | <1000 | |
| | 7/19/2001 | 840 | 2200 | <200 | 32000 | <100 | <200 | <2000 | 390 | <200 | <100 | 140 | 7900 | 960 | <1000 | <200 | 6100 | <200 | 140 | 73000 | <200 | 250 | <400 |
| | 7/19/2001 | 820 | 2200 | <200 | 34000 | <100 | <200 | <2000 | 410 | <200 | <100 | 100 | 7800 | 940 | <1000 | <200 | 6400 | <200 | 140 | 75000 | <200 | 220 | <400 |
| | 3/25/2002 | 440J | 670 | <620 | 16000 | <310 | <620 | <6200 | <620 | <620 | <310 | <620 | 3800 | 520J | <3100 | <620 | <620 | 1400 | 43000 | <620 | <620 | <1200 | |
| | 3/27/2003 | 75J | 96J | <100 | 4000 | <50 | <100 | <1000 | 46J | <100 | <50 | <100 | 910 | 110 | <500 | <100 | <100 | 1500 | 9600 | <100 | <100 | <200 | |
| WCC-3D | 11/14/1991 | 60 | 20 | | | | | | | | | | | | | | | | | | | | |
| | 6/16/1992 | <5 | 880 | 510 | | | | | | | | | | | | | | | | | | | |
| | 9/22/1992 | <1 | 27 | <1 | 21 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | 23 | 8 | | | | |
| | 12/7/1992 | <1 | 130 | <1 | 120 | <1 | <1 | <1 | <1 | <1 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | 5 | 3 | | | | |
| | 3/16/1993 | 6 | 2000 | <2 | 950 | <2 | <2 | <2 | <2 | <2 | 2 | 9 | <10 | <10 | <10 | <10 | 50 | 6 | | | | | |
| | 3/16/1993 | 6 | 2000 | <2 | 1000 | <2 | <2 | <2 | <2 | <2 | 2 | 9 | <10 | <10 | <10 | <10 | 47 | 6 | | | | | |
| | 6/8/1993 | <2 | 110 | <4 | 110 | <2 | <2 | <2 | <2 | <2 | 2 | 9 | <10 | <10 | <10 | <10 | 6 | | | | | | |
| | 8/24/1993 | <2 | 100 | <4 | 120 | <2 | <2 | <2 | <2 | <2 | 2 | 9 | <10 | <10 | <10 | <10 | 5 | 3 | | | | | |
| | 11/18/1993 | <2 | 410 | <4 | 610 | <2 | <2 | <2 | <2 | <2 | 2 | 9 | <10 | <10 | <10 | <10 | 4 | 2 | | | | | |
| | 11/18/1993 | <4 | 640 | <8 | 840 | <4 | <4 | <4 | <4 | <4 | 4 | 4 | <10 | <10 | <10 | <10 | 17 | 6 | | | | | |
| | 2/23/1994 | 0.4 | 590 | <8 | 420 | <4 | <4 | <4 | <4 | <4 | 4 | 4 | <10 | <10 | <10 | <10 | 23 | 8 | | | | | |
| | 2/23/1994 | <4 | 530 | 370 | | | | | | | 4 | <10 | <10 | <10 | <10 | 25 | 13 | | | | | | |
| | 6/13/1994 | <10 | 1300 | <20 | 720 | <10 | <10 | <10 | <10 | <10 | 10 | <10 | <10 | <10 | <10 | 96 | 10 | | | | | | |
| | 9/9/1994 | <50 | 5600 | <100 | 3700 | <50 | <50 | <50 | <50 | <50 | 50 | <50 | <50 | <50 | <50 | 490 | 50 | | | | | | |
| | 12/21/1994 | 10 | 6300 | 29 | 5200 | <4 | <4 | <4 | <4 | <4 | 15 | 22 | <20 | <20 | <20 | <20 | 540 | 5100 | <4 | <8 | <4 | <4 | |
| | 3/14/1995 | <40 | 4000 | <80 | 3300 | <40 | <40 | <40 | <40 | <40 | 40 | <40 | <40 | <40 | <40 | 370 | 3200 | <40 | <80 | <40 | <40 | <20 | |
| | 3/14/1995 | <20 | 3900 | <40 | 3200 | <20 | <20 | <20 | <20 | <20 | 20 | <20 | <20 | <20 | <20 | 72 | 22 | | | | | | |
| | 6/13/1995 | <10 | 2100 | <20 | 1800 | <10 | <10 | <10 | <10 | <10 | 10 | <10 | <10 | <10 | <10 | 200 | 1700 | <10 | <10 | <10 | <10 | <10 | |
| | 9/7/1995 | 13 | 4100 | 35 | 3400 | 6 | <5 | <5 | <5 | <5 | 60 | 30 | <10 | <10 | <10 | <10 | 170 | 520 | 4700 | <5 | 8 | <5 | <5 |
| | 12/16/1995 | <2 | 90 | <2 | 111 | <2 | <2 | <2 | <2 | <2 | 3 | <2 | <2 | <2 | <2 | 32 | 88 | | | | | | |
| | 3/4/1996 | <5 | 40 | <5 | 53 | <5 | <5 | <5 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | 23 | 6 | | | | | | |
| | 6/7/1996 | <5 | 59 | <5 | 84 | <5 | <5 | <5 | <5 | <5 | 5 | <5 | <5 | <5 | <5 | 60 | 21 | | | | | | |
| | 9/19/1996 | <1 | 24 | <1 | 52 | <1 | <1 | <1 | <1 | <1 | 2 | <1 | <10 | <10 | <10 | 61 | 12 | | | | | | |
| | 12/19/1996 | 1.3 | 67 | <1 | 97 | <1 | 1.1 | <1 | <1 | <1 | 5.4 | <1 | <10 | <10 | <10 | 42 | 20 | | | | | | |
| | 5/8/1997 | <1 | 11 | <1 | 43 | <1 | <1 | <1 | <1 | <1 | 1.7 | <1 | <10 | <10 | <10 | 63 | 2.7 | | | | | | |
| | 7/8/1997 | <1 | 15 | <1 | 70 | <1 | <1 | <1 | <1 | <1 | 2.3 | <1 | <10 | <10 | <10 | 87 | 14 | | | | | | |
| | 7/24/1997 | <1 | 5.9 | <1 | 30 | <1 | <1 | <1 | <1 | <1 | 1.1 | <1 | <10 | <10 | <10 | 45 | 6 | | | | | | |
| | 8/6/1997 | <1 | 8.8 | <1 | 34 | <1 | <1 | <1 | <1 | <1 | 2.1 | <1 | <10 | <10 | <10 | 58 | 17 | | | | | | |
| | 8/6/1997 | <1 | 8.6 | <1 | 34 | <1 | <1 | <1 | <1 | <1 | 2.2 | <1 | <10 | <10 | <10 | 56 | 17 | | | | | | |
| | 8/22/1997 | <1 | 21 | <1 | 61 | <1 | <1 | <1 | <1 | <1 | 1.9 | <1 | <10 | <10 | <10 | 70 | 21 | | | | | | |
| | 8/22/1997 | <1 | 22 | <1 | 60 | <1 | <1 | <1 | <1 | <1 | 1.8 | <1 | <10 | <10 | <10 | 72 | 22 | | | | | | |
| | 9/5/1997 | <1 | 15 | <1 | 53 | 1.9 | <1 | <10 | <1 | <1 | 2 | <1 | <10 | <10 | <10 | 66 | 29 | | | | | | |
| | 9/18/1997 | <1 | 14 | <1 | 48 | <1 | <1 | <10 | <1 | <1 | 1.9 | <1 | <10 | <10 | <10 | 63 | 27 | | | | | | |
| | 9/28/1998 | <5 | 1300 | <5 | 1200 | <5 | <5 | <5 | <5 | <5 | 1.7 | <1 | <10 | <10 | <10 | 47 | 32 | | | | | | |
| | 10/21/1998 | 0.5 | 54 | <0.5 | 50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2 | <0.5 | <10 | <10 | <10 | 25 | 58 | | | | | | |
| | 3/5/1999 | <0.5 | 57 | <0.5 | 32 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.3 | <0.5 | <10 | <10 | <10 | 7.9 | 44 | | | | | | |
| | 3/5/1999 | <0.5 | 49 | <0.5 | 28 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.4 | <0.5 | <10 | <10 | <10 | 7.7 | 37 | | | | | | |
| | 7/16/1999 | <0.5 | 6.4 | <0.5 | 4.7 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.8 | <0.5 | <10 | <10 | <10 | 6.2 | 1.7 | | | | | | |
| | 7/16/1999 | <0.5 | 5.7 | <0.5 | 4.4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.9 | <0.5 | <10 | <10 | <10 | 5.8 | 1.3 | | | | | | |
| | 6/26/2000 | <0.5 | 50 | <0.5 | 54 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.1 | <0.5 | <10 | <10 | <10 | 0.5 | 9.9 | 37 | | | | | |
| | 2/3/2001 | <2 | 58 | <2 | 47 | <1 | <2 | <2 | <2 | <2 | 3.1 | <2 | <10 | <10 | <10 | 1.7 | 2.4 | 20 | | | | | |
| | 3/21/2002 | <1 | 6.7 | <1 | 8.7 | <0.5 | <1 | 7.1J | <1 | <1 | 1.7 | <1 | <10 | <10 | <10 | 1.8 | 3 | 1J | <1 | <1 | <2 | <2 | |
| WCC-4S | 11/2/1987</td | | | | | | | | | | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone | Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane | |
|--------|--------------|---------|-----------|-----------|---------|----------|-------------------|---------|---------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|------|------|------|---------|---------------|-----------------|------------------------|----|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | |
| WCC-4S | 11/19/1993 | 17 | 8 | <8 | 610 | <4 | <4 | <80 | 4 | <4 | <4 | <4 | 6 | 5 | <80 | <20 | <40 | <4 | 700 | 9 | <4 | <4 | <4 | |
| | 2/24/1994 | 5.8 | 8.8 | <8 | 1100 | <4 | <4 | <80 | 6.4 | <4 | <4 | <4 | 5.1 | 8.7 | 7.2 | <80 | <20 | <40 | <4 | 980 | <4 | <4 | <4 | <4 |
| | 6/14/1994 | <4 | 5.1 | <8 | 800 | <4 | <4 | <80 | <4 | <4 | <4 | <4 | 7.1 | 5.2 | <80 | <20 | <40 | <4 | 940 | <4 | <4 | <4 | <12 | |
| | 9/9/1994 | <20 | <20 | <40 | 1000 | <20 | <20 | <400 | <20 | <20 | <20 | <20 | <20 | <20 | <400 | <100 | <200 | <20 | 1300 | <20 | <20 | <60 | <20 | |
| | 12/22/1994 | <10 | <10 | <20 | 670 | <10 | <10 | <200 | <10 | <10 | <10 | <10 | <10 | <10 | <200 | <50 | <100 | <10 | 750 | <10 | <10 | <20 | <10 | |
| | 3/14/1995 | 9.8 | 4.9 | | 400 | | | | | | | | 4.9 | <4 | <80 | | <40 | | 450 | | | | | |
| | 3/14/1995 | | | | | | | | | | | | | | | | | | | | | | | |
| | 6/13/1995 | 8.6 | <6.6 | <13 | 1100 | <6.6 | <6.6 | <130 | 7.1 | <6.6 | <6.6 | <6.6 | 7.9 | <6.6 | <130 | <33 | <66 | <6.6 | 1100 | <6.6 | <6.6 | <6.6 | <6.6 | |
| | 9/7/1995 | 8.1 | 6.4 | <5 | 910 | <5 | <5 | <10 | 13 | <5 | <5 | <5 | 6.5 | 10 | 9.2 | <10 | <5 | <10 | 1200 | <5 | <5 | <5 | <5 | |
| | 12/15/1995 | 4 | <2 | <2 | 1100 | <2 | <2 | <2 | 2 | <2 | <2 | <2 | 4 | 8 | 7 | <10 | <2 | <2 | 1200 | <2 | <2 | <2 | <2 | |
| | 3/4/1996 | <5 | <5 | <5 | 710 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | 6 | 6 | <10 | <5 | <5 | <10 | 770 | <5 | <5 | <5 | <5 | |
| | 6/7/1996 | <5 | <5 | <5 | 740 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | 5 | <5 | <10 | <5 | <5 | <5 | 830 | <5 | <5 | <5 | <5 | |
| | 9/19/1996 | <25 | <25 | <25 | 980 | <25 | <25 | <250 | <25 | <120 | <25 | <25 | <25 | <25 | <250 | <250 | <250 | <250 | 960 | <25 | <25 | <25 | <25 | |
| | 12/18/1996 | <25 | <25 | <25 | 780 | <25 | <25 | <250 | <25 | <120 | <25 | <25 | <25 | <25 | <250 | <250 | <250 | <250 | 960 | <25 | <25 | <25 | <25 | |
| | 5/8/1997 | <12 | <12 | <12 | 1000 | <12 | <12 | <120 | <12 | <62 | <12 | <12 | <12 | <12 | <120 | <120 | <120 | <120 | 1100 | <12 | <12 | <12 | <12 | |
| | 7/8/1997 | <25 | <25 | <25 | 1300 | <25 | <25 | <250 | <25 | <120 | <25 | <25 | <25 | <25 | <250 | <250 | <250 | <250 | 1200 | <25 | <25 | <25 | <25 | |
| | 7/24/1997 | <25 | <25 | <25 | 940 | <25 | <25 | <250 | <25 | <120 | <25 | <25 | <25 | <25 | <250 | <250 | <250 | <250 | 1200 | <25 | <25 | <25 | <25 | |
| | 8/6/1997 | <25 | <25 | <25 | 1000 | <25 | <25 | <250 | <25 | <120 | <25 | <25 | <25 | <25 | <250 | <250 | <250 | <250 | 1000 | <25 | <25 | <25 | <25 | |
| | 8/22/1997 | <25 | <25 | <25 | 1200 | <25 | <25 | <250 | <25 | <120 | <25 | <25 | <25 | <25 | <250 | <250 | <250 | <250 | 1200 | <25 | <25 | <25 | <25 | |
| | 9/5/1997 | <25 | <25 | <25 | 1100 | <25 | <25 | <250 | <25 | <120 | <25 | <25 | <25 | <25 | <250 | <250 | <250 | <250 | 1000 | <25 | <25 | <25 | <25 | |
| | 9/17/1997 | <25 | <25 | <25 | 960 | <25 | <25 | <250 | <25 | <120 | <25 | <25 | <25 | <25 | <250 | <250 | <250 | <250 | 1100 | <25 | <25 | <25 | <25 | |
| | 9/28/1998 | 24 | <2.5 | 18 | 890 | 24 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 5.4 | 12 | 8 | <12.5 | <2.5 | 780 | <2.5 | <2.5 | <2.5 | <2.5 | | |
| | 10/21/1998 | 19 | <5 | 11 | 1100 | 19 | <5 | <5 | <5 | <5 | <5 | <5 | 6 | 11 | 11 | <25 | <5 | 970 | <5 | <5 | <5 | <5 | | |
| | 3/4/1999 | <10 | <10 | <10 | 1700 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <10 | 1600 | <10 | <10 | <10 | <10 | | |
| | 7/14/1999 | <10 | <10 | <10 | 2100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <10 | 1500 | <10 | <10 | <10 | <10 | | |
| | 6/21/2000 | <10 | <10 | <10 | 1800 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <10 | 1300 | <10 | <10 | <10 | <10 | | |
| | 1/24/2001 | <50 | <50 | <50 | 2000 | <25 | <50 | <500 | <50 | <50 | <25 | <50 | <50 | <15J | <250 | <50 | <50 | 1100 | <50 | <50 | <50 | <50 | | |
| | 3/26/2002 | <25 | <25 | <25 | 1600 | <12 | <25 | <250 | <25 | <12 | <25 | <25 | <25 | 22J | 15J | <25 | <25 | 1000 | 12J | <25 | <25 | <50 | | |
| WCC-5S | 11/30/1987 | 1 | 7 | | | | | | | | | | 1 | | | | | | | | | | 1 | |
| | 1/8/1988 | 10 | 4 | | | | | | | | | | | | | | | | | | | | | |
| | 7/13/1989 | <1 | 13 | 3 | | | | | | | | | 1 | | | | | | | | | | | |
| | 7/13/1989 | <1 | 12 | 3 | | | | | | | | | 1 | | | | | | | | | | | |
| | 8/23/1989 | <1 | 12 | <1 | | | | | | | | | 1 | | | | | | | | | | | |
| | 11/19/1991 | | | | | | | | | | | | | | | | | | | | | | | |
| | 6/15/1992 | <5 | <5 | 28 | | | | | | | | | | | | | | | | | | | | |
| | 9/21/1992 | <1 | <1 | 21 | | | | | | | | | | | | | | | | | | | | |
| | 12/7/1992 | <1 | <1 | 21 | | | | | | | | | | | | | | | | | | | | |
| | 3/16/1993 | <2 | <2 | 18 | | | | | | | | | | | | | | | | | | | | |
| | 6/7/1993 | <2 | <2 | 22 | | | | | | | | | | | | | | | | | | | | |
| | 8/24/1993 | <2 | <2 | 23 | | | | | | | | | | | | | | | | | | | | |
| | 11/18/1993 | <2 | <2 | 21 | | | | | | | | | | | | | | | | | | | | |
| | 2/23/1994 | <2 | <2 | 20 | | | | | | | | | | | | | | | | | | | | |
| | 6/10/1994 | <2 | <2 | 25 | | | | | | | | | | | | | | | | | | | | |
| | 9/8/1994 | <2 | <2 | 18 | | | | | | | | | | | | | | | | | | | | |
| | 12/21/1994 | <2 | <2 | 18 | | | | | | | | | | | | | | | | | | | | |
| | 3/13/1995 | <2 | <2 | 14 | | | | | | | | | | | | | | | | | | | | |
| | 6/12/1995 | <2 | <2 | 19 | | | | | | | | | | | | | | | | | | | | |
| | 9/6/1995 | <5 | <5 | 18 | | | | | | | | | | | | | | | | | | | | |
| | 12/12/1995 | <2 | <2 | 15 | | | | | | | | | | | | | | | | | | | | |
| | 2/29/1996 | <5 | <5 | 10 | | | | | | | | | | | | | | | | | | | | |
| | 6/6/1996 | <5 | <5 | 9 | | | | | | | | | | | | | | | | | | | | |
| | 9/18/1996 | <1 | <1 | 10 | | | | | | | | | | | | | | | | | | | | |
| | 12/17/1996 | <1 | <1 | 10 | | | | | | | | | | | | | | | | | | | | |
| | 5/7/1997 | <1 | <1 | 11 | | | | | | | | | | | | | | | | | | | | |
| | 7/2/1997 | <1 | <1 | 12 | | | | | | | | | | | | | | | | | | | | |
| | 7/23/1997 | <1 | <1 | 12 | | | | | | | | | | | | | | | | | | | | |
| | 8/5/1997 | 1.2 | <1 | 18 | | | | | | | | | | | | | | | | | | | | |
| | 8/20/1997 | <1 | <1 | 12 | | | | | | | | | | | | | | | | | | | | |
| | 9/4/1997 | <1 | 1.6 | <1 | 19 | | | | | | | | | | | | | | | | | | | |
| | 9/16/1997 | <1 | 1.8 | <1 | 19 | | | | | | | | | | | | | | | | | | | |
| | 9/28/1998 | 0.5 | 1.6 | 0.5 | 17 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 40 | 38 | <1 | <1 | <1 | |
| | 10/20/1998 | 0.5 | 0.5 | 0.5 | 17 | <0.5</td | | | | | | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1,- | 1,1,1- | 1,1,2- | 1,1-DCE | 1,2-DCA | Isopropyl | Acetone | Benzene | Carbon | Carbon | Chloro- | cis- | trans- | MEK (2- | Methylene | MIBK | PCE | TCE | Toluene | Ethyl | Xylenes | Trichloro | |
|--------|--------------|-------|--------|--------|---------|---------|-----------|---------|---------|-----------|--------|---------|--------|--------|------------|-----------|-------|-------|-------|---------|---------|---------|-----------|-------|
| | | DCA | TCA | TCA | | | benzene | | | disulfide | tetra- | form | ,2-DCE | ,2-DCE | -butanone) | chloride | | | | Benzene | (total) | fluoro | methane | |
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | |
| WCC-5S | 3/21/2002 | <1 | <1 | <1 | 6.2 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | 0.76J | <1 | <1 | <5 | <1 | 0.42J | 1.8 | 5.5 | <1 | <1 | 0.61J | | |
| | 09/16/02 | <1 | <1 | <1 | 5.8 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | <1 | <5 | 0.34J | 1.5 | 3 | <1 | <1 | 0.86J | |
| | 03/25/03 | 1.6 | <1 | <1 | 7.4 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | 1.3 | <1 | <5 | <1 | <1 | 3.6 | <1 | <1 | <1 | <1 | 0.32J | |
| WCC-6S | 10/6/1989 | 4 | 130 | 210 | | | | <1 | | | | | | | | | <5 | 140 | <1 | | | | | |
| | 11/16/1991 | 5000 | 5800 | | | | | | | | | | | | | 21000 | 17000 | 35000 | | | | | | |
| | 6/17/1992 | <500 | 2100 | 5400 | | | | | | | | | | | | 6300 | 7600 | 3000 | 15000 | | | | | |
| | 9/23/1992 | 94 | 1300 | 96 | 5900 | 5 | <1 | 78 | 67 | <1 | <1 | <500 | <500 | <500 | <500 | 200 | 170 | 3600 | 5 | 7500 | <1 | 3100 | 10000 | |
| | 12/9/1992 | 80 | 680 | 60 | 3700 | <80 | <50 | <300 | 80 | <50 | <50 | <50 | <50 | <50 | <50 | 200 | 100 | 3000 | 100 | 3400 | <50 | 2700 | 5000 | |
| Dup | 3/17/1993 | 50 | 1200 | <10 | 3200 | <80 | <12 | <25 | <50 | 40 | <25 | <25 | <25 | <25 | <25 | 15 | <10 | 80 | 3800 | <50 | 3900 | <10 | 1400 | 10000 |
| | 6/8/1993 | <100 | 1900 | <200 | 5500 | <80 | <13 | <100 | <2000 | <100 | <100 | <100 | <100 | <100 | <100 | 260 | 120 | 7800 | <200 | 13000 | <100 | 2100 | 21000 | |
| | 8/25/1993 | <100 | 2100 | <200 | 5400 | <80 | <14 | <100 | <2000 | <100 | <100 | <100 | <100 | <100 | <100 | 630 | 130 | 7600 | <200 | 11000 | <100 | 1900 | <100 | |
| | 11/19/1993 | 42 | 440 | <20 | 2200 | <80 | <15 | <10 | <200 | 24 | <10 | <10 | <10 | <10 | <10 | 480 | 3100 | <50 | 4700 | <10 | 670 | 4900 | <10 | |
| | 2/24/1994 | 91 | 2200 | 74 | 11000 | <80 | <16 | <10 | 230 | 52 | <10 | <10 | 21 | 1400 | 140 | 4400 | <50 | 13000 | <10 | 1800 | 20000 | 10 | 58 | |
| Dup | 6/13/1994 | 87 | 1800 | 69 | 5800 | <80 | <17 | <10 | <2000 | <100 | <10 | <10 | 18 | 1600 | 130 | 1400 | <50 | 4400 | <10 | 1400 | 12000 | <10 | 51 | <50 |
| | 12/22/1994 | <100 | 1500 | <200 | 6300 | <17 | <10 | <2000 | <100 | <10 | <100 | <100 | 1400 | 100 | <2000 | <500 | 5200 | <100 | 1300 | <13000 | <100 | <300 | <100 | |
| | 3/14/1995 | 38 | 200 | <40 | 3000 | 26 | <20 | <400 | 25 | <20 | <20 | <20 | 850 | 60 | <400 | <100 | 390 | <20 | 930 | 2300 | <20 | 440 | <20 | |
| Dup | 6/13/1995 | 130 | 810 | 60 | 9800 | 51 | <20 | <400 | 82 | <20 | <20 | <20 | 28 | 4200 | 180 | <400 | <100 | 450 | <20 | 510 | 8400 | <20 | 420 | <20 |
| | 9/7/1995 | 55 | 370 | 1 | 4300 | 1 | <5 | <10 | 50 | <5 | <5 | <5 | 14 | 2400 | 83 | 12 | <5 | 240 | <5 | 620 | 2900 | <5 | 1 | <5 |
| Dup | 9/7/1995 | 70 | 310 | 1 | 3800 | 1 | <5 | <10 | 56 | <5 | <5 | <5 | 19 | 2200 | 99 | 11 | <5 | 180 | <5 | 520 | 2500 | <5 | 1 | <5 |
| | 12/16/1995 | 120 | 1400 | 76 | 11000 | 41 | <2 | <2 | 66 | <2 | <2 | <2 | 28 | 2600 | 160 | | <2 | 2000 | 4900 | 5 | 28 | <2 | | |
| | 3/4/1996 | 93 | 1600 | 61 | 8300 | <50 | <50 | <100 | 56 | <50 | <50 | <50 | 2000 | 140 | 340 | <50 | 350 | <50 | 2000 | 3900 | <50 | <100 | <50 | |
| | 6/7/1996 | 88 | 1700 | 53 | 9300 | 39 | <25 | <50 | 54 | <25 | <25 | <25 | 3000 | 120 | 960 | <25 | 2400 | <25 | 6500 | <25 | 2500 | <25 | | |
| Dup | 9/19/1996 | <250 | 890 | <250 | 8800 | <250 | <250 | <2500 | <250 | <250 | <250 | <250 | 1800 | 250 | <2500 | <250 | <2500 | <250 | 2500 | 4000 | <250 | 2500 | <250 | |
| | 9/19/1996 | 110 | 950 | <100 | 8800 | <100 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | 1800 | 160 | <1000 | <100 | <100 | <100 | 2200 | 4300 | <100 | <100 | <100 | |
| Dup | 12/19/1996 | <100 | 680 | <100 | 7000 | <100 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | 880 | 100 | <1000 | <100 | <1000 | <100 | 2200 | 2600 | <100 | <100 | <100 | |
| Dup | 12/19/1996 | <100 | 820 | <100 | 8300 | <100 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | 1000 | 130 | <1000 | <100 | <1000 | <100 | 2600 | 3000 | <100 | <100 | <100 | |
| Dup | 5/9/1997 | <100 | 720 | <100 | 6800 | <100 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | 1100 | <100 | <1000 | <100 | <1000 | <100 | 1900 | 1800 | <100 | <100 | <100 | |
| Dup | 7/8/1997 | <100 | 740 | <100 | 7000 | <100 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | 500 | <100 | <1000 | <100 | 540 | <100 | <1000 | 950 | 2400 | <100 | <100 | <100 |
| | 7/24/1997 | 100 | 320 | <100 | 2700 | <100 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | 510 | <100 | <1000 | <100 | 100 | <100 | 820 | 1600 | <100 | <100 | <100 | |
| | 8/6/1997 | <100 | 630 | <100 | 7700 | <100 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | 500 | <100 | <1000 | <100 | 1400 | 110 | <1000 | 1000 | 2100 | 3100 | <100 | |
| | 9/18/1997 | <100 | 500 | <100 | 5500 | <100 | <100 | <1000 | <1000 | <1000 | <1000 | <1000 | 910 | <100 | <1000 | <100 | 910 | <100 | <1000 | 1600 | 1800 | <100 | <100 | <100 |
| | 9/23/1998 | 16 | 38 | <12.5 | 2800 | 16 | <12.5 | <12.5 | <12.5 | <12.5 | <12.5 | 210 | 22 | | | | <62.5 | 210 | <12.5 | 1500 | <12.5 | <12.5 | <12.5 | |
| | 10/22/1998 | 20 | 19 | <10 | 2800 | 20 | <10 | 12 | <10 | <10 | <10 | 100 | 33 | | | | <50 | 100 | <10 | 1700 | <10 | <10 | <10 | |
| | 3/6/1999 | 110 | 300 | <50 | 9500 | 110 | <50 | 51 | <50 | <50 | <50 | 510 | 140 | | | | <250 | 510 | <50 | 5000 | 760 | <50 | <100 | |
| | 7/16/1999 | 94 | 390 | <50 | 7300 | 94 | <50 | <50 | <50 | <50 | <50 | 1000 | 130 | | | | <250 | 1000 | <50 | 3000 | 860 | <50 | <100 | |
| | 6/26/2000 | 76 | 1600 | <25 | 5300 | <25 | | 43 | <25 | <25 | <25 | 2000 | 91 | | | | <125 | 125 | <25 | 1500 | 4700 | <25 | <25 | |
| | 1/22/2001 | 79 J | 770 | <100 | 4600 | <50 | <100 | <1000 | <100 | <100 | <100 | 500 | <100 | 1300 | 120 | <500 | <100 | <500 | <100 | 1700 | 1200 | <100 | <100 | |
| | 7/19/2001 | 74 | 540 | 14 | 5026 | 11 | <5 | <50 | 27 | <5 | <5 | 14 | 990 | 110 | <25 | <5 | <5 | <25 | 1900 | 360 | 7.8 | <10 | | |
| | 03/26/02 | 190 | 780 | <120 | 10000 | <62 | <120 | <1200 | 68J | <120 | <62 | 40J | 4100 | 200 | <620 | <120 | <120 | <120 | <120 | 2000 | 2500 | <120 | <120 | <250 |
| | 03/25/03 | 230 | 210 | <120 | 9400 | 54J | <120 | <1200 | 67J | <120 | <62 | 38J | 4900 | 200 | <620 | <120 | <120 | <120 | 400 | 7700 | <120 | <120 | <250 | |
| WCC-7S | 7/13/1989 | <10 | 110 | | 850 | | | | | | | <10 | | | | 26 | 11 | | | | | | | |
| | 8/23/1989 | <30 | 66 | | 1100 | | | | | | | <30 | | | | 31 | <30 | | | | | | | |
| | 11/18/1991 | | 390 | | | | | | | | | | | | | | | | | | | | | |
| | 6/17/1992 | <5 | <5 | | 230 | | | | | | | <30 | | | | 5 | <5 | | | | | | | |
| | 9/23/1992 | <5 | <5 | | 140 | | | | | | | <30 | | | | 5 | <5 | | | | | | | |
| | 12/8/1992 | <5 | <5 | | 140 | | | | | | | <30 | | | | 5 | <5 | | | | | | | |
| | 3/17/1993 | <2 | <2 | | 77 | | | | | | | <10 | | | | 2 | <2 | | | | | | | |
| Dup | 6/7/1993 | <2 | <2 | | 120 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 8/25/1993 | <4 | <4 | | 70 | | | | | | | <40 | | | | 4 | <4 | | | | | | | |
| | 11/19/1993 | <2 | <2 | | 56 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 2/24/1994 | <2 | <2 | | 75 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 6/13/1994 | <2 | <2 | | 58 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 9/8/1994 | 13 | <2 | | 50 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 12/22/1994 | <2 | <2 | | 94 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| Dup | 3/14/1995 | <2 | <2 | | 53 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 6/13/1995 | <2 | <2 | | 110 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 9/7/1995 | <2 | <2 | | 98 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 12/15/1995 | <2 | <2 | | 150 | | | | | | | <40 | | | | 2 | <2 | | | | | | | |
| | 3/1/1996 | <5 | <5 | | 98 | | | | | | | <2 | | | | 5 | <5 | | | | | | | |
| | 6/7/1996 | <5 | <5 | | 91 | | | | | | | <10 | | | | 5 | <5 | | | | | | | |
| | 9/19/1996 | <5 | <5 | | 100 | | | | | | | <10 | | | | 5 | <5 | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone | Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane |
|--------|--------------|---------|-----------|-----------|---------|---------|-------------------|---------|---------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|-------|------|-------|---------|---------------|-----------------|------------------------|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| WCC-7S | 5/8/1997 | <2.5 | <2.5 | <2.5 | 120 | <2.5 | <2.5 | <25 | <2.5 | <12 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 140 | <2.5 | <2.5 | <2.5 | <2.5 |
| | 7/2/1997 | <2 | <2 | <2 | 130 | <2 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 150 | <2 | <2 | <2 | <2 |
| | 7/24/1997 | <2 | <2 | <2 | 67 | <2 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 130 | 8 | <2 | <2 | <2 |
| | 8/6/1997 | <2 | <2 | <2 | 130 | <2 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 160 | 18 | <2 | <2 | <2 |
| | 8/21/1997 | <2 | <2 | <2 | 120 | <2 | <2 | <20 | <2 | <10 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 140 | 17 | <2 | <2 | <2 |
| | 9/4/1997 | 3.1 | <2.5 | <2.5 | 120 | 6.1 | <2.5 | <25 | <2.5 | <12 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 150 | 17 | <2.5 | <2.5 | <2.5 |
| | 9/17/1997 | <2.5 | <2.5 | <2.5 | 110 | <2.5 | <2.5 | <25 | <2.5 | <12 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 160 | 21 | <2.5 | <2.5 | <2.5 |
| | 9/28/1998 | 1.4 | <1.25 | 1.7 | 300 | 1.4 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 | 250 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 |
| | 10/21/1998 | 1 | <1 | 2 | 300 | 1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 240 | <1 | <1 | <1 | <1 | <1 |
| | 3/4/1999 | <1 | <1 | <1 | 160 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 170 | <1 | <1 | <1 | <1 | <1 |
| | 7/14/1999 | <1 | <1 | <1 | 32 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 120 | <1 | <1 | <1 | <1 | <1 |
| | 6/22/2000 | 1.1 | <0.5 | 1.7 | 190 | <0.5 | <2.5 | <50 | <0.5 | <0.5 | 0.67 | 1.1 | <0.5 | <2.5 | <2.5 | <2.5 | <2.5 | 170 | <0.5 | 140 | 9 | <5 | <5 |
| | 1/24/2001 | <5 | <5 | <5 | 200 | <2.5 | <5 | <50 | <5 | <5 | <2.5 | <5 | <5 | <5 | <5 | <5 | <5 | 100 | 0.72J | <2 | <2 | <4 | <10 |
| | 3/25/2002 | 0.87J | <2 | 1.5J | 120 | <1 | <2 | <20 | <2 | <2 | <1.2 | <2 | <2 | <2 | <2 | <2 | <2 | 120 | <2.5 | <2.5 | <2.5 | <2.5 | <5 |
| | 3/28/2003 | 1J | <2.5 | 1.4J | 170 | <1.2 | <2.5 | <25 | <2.5 | <2.5 | <1.2 | <2.5 | 2.1J | <2.5 | <12 | <2.5 | <2.5 | 250 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 |
| WCC-8S | 7/13/1989 | <5 | 160 | 430 | | | | | | | | | | | | | | | 240 | <5 | | | |
| | 8/23/1989 | <5 | 130 | 820 | | | | | | | | | | | | | | | 430 | <5 | | | |
| | 11/15/1991 | 400 | 2600 | | | | | | | | | | | | | | | | 3000 | 120 | | | |
| Dup | 6/17/1992 | <25 | 180 | 2200 | | | | | | | | | | | | | | | 2400 | <25 | | | |
| | 6/17/1992 | <50 | 180 | 2300 | | | | | | | | | | | | | | | 2600 | <50 | | | |
| | 9/23/1992 | <20 | 200 | 2800 | <20 | <20 | <100 | <20 | <20 | <20 | <20 | <20 | 20 | <20 | 20 | <100 | 40 | <100 | <20 | 3100 | <20 | <20 | <20 |
| | 12/8/1992 | <20 | 100 | 2000 | <20 | <20 | <100 | 20 | <20 | <20 | <20 | <20 | 20 | 20 | 30 | <100 | 30 | <100 | <20 | 2500 | <20 | <20 | <20 |
| | 3/17/1993 | 11 | 180 | <2 | 1800 | <2 | <2 | <10 | 15 | <5 | <5 | <10 | 15 | 26 | <10 | <10 | <5 | <2 | 1500 | <2 | <2 | <2 | <5 |
| | 6/8/1993 | <20 | 300 | 4000 | <20 | <20 | <400 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <200 | 2000 | <20 | <20 | <20 | <20 |
| | 8/25/1993 | <20 | 330 | <40 | 3100 | <20 | <20 | <400 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <200 | 2200 | <20 | <20 | <20 | <20 |
| | 2/24/1994 | <20 | 300 | <40 | 3400 | <20 | <20 | <400 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <200 | 1200 | <20 | <20 | <20 | <20 |
| | 6/13/1994 | <40 | 290 | 4000 | <40 | <40 | <800 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <800 | <400 | <400 | <40 | 2200 | <40 | <40 |
| | 9/9/1994 | <50 | 280 | <100 | 4600 | <50 | <50 | <1000 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <1000 | <500 | 3100 | <50 | <50 | <50 | <50 |
| | 12/22/1994 | <20 | 230 | <40 | 4000 | <20 | <20 | <400 | 25 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <400 | <400 | 2100 | <20 | <40 | <40 | <40 |
| | 3/14/1995 | <40 | 220 | <80 | 4500 | <40 | <40 | <800 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <800 | <400 | 2600 | <40 | <40 | <40 | <40 |
| | 6/13/1995 | <40 | 150 | <80 | 4200 | <40 | <40 | <800 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <40 | <800 | <400 | 2400 | <40 | <40 | <40 | <40 |
| | 9/7/1995 | 10 | 110 | <5 | 2200 | <5 | <5 | <10 | 22 | <5 | <5 | <9.2 | 15 | 28 | <10 | <5 | <10 | <5 | 1700 | <5 | <5 | <5 | <5 |
| | 12/15/1995 | 16 | 120 | <2 | 4200 | <2 | <2 | <2 | 10 | <2 | <2 | <18 | 40 | <40 | <40 | <40 | <40 | <40 | 2300 | <2 | <2 | <2 | <2 |
| Dup | 3/1/1996 | <20 | 120 | <20 | 3500 | <20 | <20 | <40 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 2100 | <20 | <20 | <20 | <20 |
| | 6/7/1996 | <20 | 120 | <20 | 3600 | <20 | <20 | <40 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 2200 | <20 | <20 | <20 | <20 |
| | 6/7/1996 | 11 | 91 | <5 | 3300 | <5 | <5 | <10 | <5 | <5 | <5 | <10 | 12 | 32 | <10 | <5 | <5 | <5 | 2000 | <5 | <5 | <5 | <5 |
| | 9/19/1996 | <50 | 59 | <50 | 3400 | <50 | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <50 | <50 | <500 | <50 | 1900 | <50 | <50 | <50 | <50 |
| | 11/19/1996 | <20 | 330 | <40 | 3300 | <20 | <20 | <400 | 24 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | <200 | <20 | 2000 | <20 | <20 | <20 | <20 |
| | 12/18/1996 | <50 | 61 | <60 | 3000 | <50 | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <50 | <50 | <500 | <50 | 2000 | <50 | <50 | <50 | <50 |
| | 5/8/1997 | <50 | 50 | 2600 | <50 | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <500 | <50 | 1600 | <50 | <50 | <50 | <50 |
| | 7/8/1997 | <50 | 50 | 50 | 3200 | <50 | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <50 | <50 | <500 | <50 | 1900 | <50 | <50 | <50 | <50 |
| | 7/24/1997 | <50 | 50 | 50 | 2500 | <50 | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <50 | <50 | <500 | <50 | 1900 | <50 | <50 | <50 | <50 |
| | 8/6/1997 | <2.5 | <2.5 | <2.5 | 130 | <2.5 | <2.5 | <25 | <2.5 | <12 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 160 | 18 | <2.5 | <2.5 | <2.5 |
| | 8/22/1997 | <50 | <50 | <50 | 2800 | <50 | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <50 | <50 | <500 | <50 | 1900 | <50 | <50 | <50 | <50 |
| | 9/5/1997 | <50 | <50 | <50 | 2500 | <50 | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <50 | <50 | <500 | <50 | 1600 | <50 | <50 | <50 | <50 |
| | 9/17/1997 | <50 | <50 | <50 | 2600 | <50 | <50 | <500 | <50 | <250 | <50 | <50 | <50 | <50 | <50 | <50 | <500 | <50 | 1800 | <50 | <50 | <50 | <50 |
| WCC-9S | 10/6/1989 | <1 | <1 | <1 | <1 | | | | | | | | | | | | | | 15 | | <1 | | |
| | 11/19/1991 | <5 | <5 | 7 | 6 | <1 | <1 | <10 | <5 | <10 | <5 | <10 | 12 | 3 | 1 | <10 | 10 | <10 | 42 | | | | |
| Dup | 6/15/1992 | <1 | <1 | <1 | 10 | <1 | <1 | <10 | <5 | <10 | <5 | <10 | 11 | 3 | 2 | <10 | 3 | <5 | 45 | | | | |
| | 9/21/1992 | <1 | <1 | <1 | 6 | <1 | <1 | <10 | <5 | <10 | <5 | <10 | 12 | 4 | 2 | <10 | 4 | <5 | 51 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanol) | Methylene chloride | MIBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane | | |
|---------|--------------|---------|-----------|-----------|---------|---------|-------------------|-----------------|------------------|----------------------|------------|-------------|---------------|-----------------|--------------------|------|------|------|---------|---------------|-----------------|------------------------|-----|------|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | | | | | | | | | | | | | |
| WCC-9S | 2/29/1996 | <5 | <5 | <5 | <5 | <5 | Isopropyl benzene | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 | <5 | 17 | <5 | <5 | <10 | <5 | |
| | 6/6/1996 | 5 | 5 | 5 | 5 | 5 | | 10 | 5 | 5 | 5 | 5 | 5 | 5 | 10 | 5 | 15 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | 9/18/1996 | <1 | <1 | <1 | <1 | 2.2 | | 1 | 1.1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 17 | 1 | 1 | 1 | 1 | |
| | 12/17/1996 | <1 | <1 | <1 | <1 | 2.8 | | 1 | 1.5 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 18 | 1 | 1 | 1 | 1 | |
| | 5/7/1997 | <1 | <1 | <1 | <1 | 2.4 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 16 | 1 | 1 | 1 | 1 | |
| | 7/2/1997 | <1 | <1 | <1 | <1 | 4.4 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 29 | 1 | 1 | 1 | 1 | |
| | 7/23/1997 | <1 | <1 | <1 | <1 | 7.6 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 43 | 12 | 1 | 1 | 1 | |
| | 8/5/1997 | <1 | <1 | <1 | <1 | 9.9 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 51 | 20 | 1 | 1 | 1 | |
| | 8/5/1997 | <1 | <1 | <1 | <1 | 3.5 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 20 | 16 | 1 | 1 | 1 | |
| | 8/20/1997 | <1 | <1 | <1 | <1 | 8 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 31 | 1 | 1 | 1 | 1 | |
| | 9/4/1997 | <1 | <1 | <1 | <1 | 9.8 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 48 | 24 | 1 | 1 | 1 | |
| | 9/16/1997 | 1.3 | <1 | <1 | <1 | 10 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 58 | 29 | 1 | 1 | 1 | |
| | 9/16/1997 | <1 | 1.4 | <1 | <1 | 11 | | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 10 | 1 | 59 | 30 | 1 | 1 | 1 | |
| | 9/23/1998 | <1 | 3.5 | <1 | <1 | 17 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | <1 | <1 | <1 | 130 | <1 | 1 | 1 | 1 | |
| | 10/21/1998 | <0.5 | <0.5 | 0.5 | 14 | <1 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 20 | <0.5 | <0.5 | <0.5 | 120 | 0.5 | <1 | 0.5 | 0.5 | |
| WCC-10S | 3/2/1999 | <0.5 | <0.5 | 0.5 | 7.3 | <1 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 14 | 2 | 9 | <10 | 0.5 | 44 | 0.5 | 0.5 | 0.5 | |
| | 7/13/1999 | <0.5 | <0.5 | 0.5 | 12 | <1 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 24 | 2.2 | <0.5 | <0.5 | 0.5 | 56 | 0.5 | <1 | 0.5 | 0.5 |
| | 6/20/2000 | <0.5 | <0.5 | 0.5 | 14 | <0.5 | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 49 | <0.5 | <0.5 | <0.5 | 0.5 | 78 | <0.5 | <1 | 0.5 | 0.5 |
| | 1/19/2001 | 1.3 | <1 | <1 | 6.52 | <0.5 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6.8 | <1 | <1 | <1 | <1 | 73 | 8.7 | <1 | <1 | 0.54 |
| | 3/22/2002 | 1.4 | <1 | <1 | 5.3 | <0.5 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 24 | 3.1 | <1 | <1 | <1 | 52 | 0.42 | <1 | <1 | 0.54 |
| | 3/26/2003 | 1.1 | <1 | <1 | 3.7 | <0.5 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 1 | 1 | 1 | 29 | <1 | <1 | <1 | <1 | |
| | 7/13/1989 | <1 | <1 | <1 | <1 | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 3.2 | <1 | <1 | <1 | 0.31J | 29 | <1 | <1 | <1 |
| | 7/13/1989 | <1 | <1 | <1 | <1 | 4 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 | 3.2 | <1 | <1 | <1 | 5 | 5 | <1 | <1 | <1 |
| | 8/23/1989 | <1 | <1 | <1 | <1 | 10 | | 9 | <1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | <1 | <1 | <1 | 86 | 87 | <1 | <1 | <1 |
| | 11/20/1991 | <1 | <1 | <1 | <1 | 8 | | 9 | <1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | <1 | <1 | <1 | 81 | 87 | <1 | <1 | <1 |
| | 6/16/1992 | <1 | <1 | <1 | <1 | 13 | | 14 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 6 | <2 | <1 | <1 | 120 | 120 | <1 | <1 | <1 |
| | 9/21/1992 | <1 | <1 | <1 | <1 | 10 | | 17 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 110 | 110 | <1 | <1 | <1 |
| | 9/21/1992 | <1 | <1 | <1 | <1 | 17 | | 17 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | <2 | <1 | <1 | 130 | 120 | <1 | <1 | <1 |
| | 12/8/1992 | <1 | <1 | <1 | <1 | 17 | | 17 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | <2 | <1 | <1 | 110 | 110 | <1 | <1 | <1 |
| | 3/16/1993 | <1 | <1 | <1 | <1 | 19 | | 19 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | <2 | <1 | <1 | 135 | 135 | <1 | <1 | <1 |
| | 6/7/1993 | <1 | <1 | <1 | <1 | 20 | | 20 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 140 | 140 | <1 | <1 | <1 |
| | 8/25/1993 | <1 | <1 | <1 | <1 | 22 | | 22 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 160 | 160 | <1 | <1 | <1 |
| | 11/19/1993 | <1 | <1 | <1 | <1 | 22 | | 22 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 120 | 120 | <1 | <1 | <1 |
| | 2/23/1994 | <1 | <1 | <1 | <1 | 22 | | 22 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 110 | 110 | <1 | <1 | <1 |
| | 6/10/1994 | <1 | <1 | <1 | <1 | 22 | | 22 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 120 | 120 | <1 | <1 | <1 |
| | 9/8/1994 | <1 | <1 | <1 | <1 | 22 | | 22 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 130 | 130 | <1 | <1 | <1 |
| | 12/22/1994 | <1 | <1 | <1 | <1 | 14 | | 19 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | <2 | <1 | <1 | 99 | 2.4 | <1 | <1 | <1 |
| | 3/13/1995 | <1 | <1 | <1 | <1 | 20 | | 27 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 120 | 120 | <1 | <1 | <1 |
| | 6/12/1995 | <1 | <1 | <1 | <1 | 23 | | 23 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 140 | 140 | <1 | <1 | <1 |
| | 12/16/1995 | <1 | <1 | <1 | <1 | 20 | | 20 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 160 | 160 | <1 | <1 | <1 |
| | 3/1/1996 | <1 | <1 | <1 | <1 | 22 | | 22 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 135 | 135 | <1 | <1 | <1 |
| | 6/8/1996 | <1 | <1 | <1 | <1 | 22 | | 22 | <2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2 | <1 | <1 | 140 | 140 | <1 | <1 | <1 |
| | 9/19/1996 | <2.5 | <2.5 | <2.5 | <2.5 | 29 | | 29 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2 | <1 | 10 | 2.4 | <2 | <1 | <1 |
| | 5/7/1997 | <2.5 | <2.5 | <2.5 | <2.5 | 25 | | 25 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2 | <1 | 120 | 120 | <1 | <1 | <1 |
| | 7/2/1997 | <2.5 | <2.5 | <2.5 | <2.5 | 26 | | 26 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2 | <1 | 110 | 110 | <1 | <1 | <1 |
| | 7/23/1997 | <2.5 | <2.5 | <2.5 | <2.5 | 30 | | 30 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2 | <1 | 120 | 120 | <1 | <1 | <1 |
| | 8/5/1997 | <2.5 | <2.5 | <2.5 | <2.5 | 25 | | 25 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2 | <1 | 130 | 130 | <1 | <1 | <1 |
| | 8/4/1997 | <2.5 | <2.5 | <2.5 | <2.5 | 25 | | 25 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2 | <1 | 140 | 140 | <1 | <1 | <1 |
| | 9/4/1997 | <2.5 | <2.5 | <2.5 | <2.5 | 28 | | 28 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2 | <1 | 150 | 150 | <1 | <1 | <1 |
| | 9/17/1997 | <2.5 | <2.5 | <2.5 | <2.5 | 29 | | 29 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2 | <1 | 160 | 160 | <1 | <1 | <1 |
| | 3/2/1999 | <0.5 | <0.5 | <0.5 | <0.5 | 29 | | 29 | <0.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <0.5 | <0.5 | <1 | 150 | 150 | <1 | <1 | <1 |
| | 4/8/1999 | <0.5 | <0.5 | <0.5 | <0.5 | 10 | | 10 | <0.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <0.5 | <0.5 | <1 | 150 | 150 | <1 | <1 | <1 |
| | 7/14/1999 | <1 | <1 | <1 | <1 | 1.2 | | 1.2 | <1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <1 | <1 | <1 | 2.5 | 2.5 | <1 | <1 | <1 |
| | 6/22/2000 | 0.94 | <0.5 | <0.5 | <0.5 | 34 | | 34 | <0.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <0.5 | <0.5 | <1 | 3 | 160 | <0.5 | <1 | <1 |
| | 1/18/2001 | <2.5 | <2.5 | <2.5 | <2.5 | 24 | | 24 | <2.5 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | <2.5 | <2.5 | <1 | 2.5 | 2.5 | <1 | <1 | <1 |
| WCC-11S | 11/15/1991 | <5 | <1 | <1 | <1 | 10 | Isopropyl benzene | 10 | <5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 6/16/1992 | <1 | <1 | <1 | <1 | 21 | | 21 | <5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 9/21/1992 | <1 | <1 | <1 | <1 | 17 | | 17 | <5 | 5 | 5</td | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1,-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MIBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoro methane |
|---------|--------------|----------|-----------|-----------|---------|---------|-------------------|-----------------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|--------|------|------|---------|---------------|-----------------|-------------------------|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| WCC-11S | 11/19/1993 | <2 | <2 | <4 | 14 | <2 | <2 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 100 | <2 | <2 | <2 | <2 | |
| Dup | 11/19/1993 | <2 | <2 | <4 | 14 | <2 | <2 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 100 | <2 | <2 | <2 | <2 | |
| | 2/23/1994 | <2 | <2 | <4 | 16 | <2 | <2 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 100 | <2 | <2 | <2 | <2 | |
| | 6/10/1994 | <2 | <2 | <4 | 16 | <2 | <2 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 100 | <2 | <2 | <2 | <2 | |
| | 9/8/1994 | <2 | <2 | <4 | 20 | <2 | <2 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 100 | <2 | <2 | <2 | <2 | |
| Dup | 9/8/1994 | <2 | <2 | <4 | 19 | <2 | <2 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 120 | <2 | <2 | <2 | <2 | |
| | 12/21/1994 | <2 | 5.7 | <4 | 26 | <2 | <2 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 140 | <2 | <2 | <2 | <2 | |
| | 3/13/1995 | <2 | <2 | <4 | 16 | <2 | <2 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 130 | <2 | <2 | <2 | <2 | |
| Dup | 6/12/1995 | <2 | 5 | <5 | 5 | <4 | 22 | <40 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 100 | <2 | <2 | <2 | <2 | |
| | 9/6/1995 | 5 | 5 | 5 | 5 | 5 | 5 | 31 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 200 | <2 | <2 | <2 | <2 | |
| | 12/15/1995 | 2 | 5 | 5 | 5 | 5 | 5 | 30 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 190 | <2 | <2 | <2 | <2 | |
| Dup | 3/1/1996 | 5 | 5 | 5 | 5 | 5 | 5 | 28 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 210 | <2 | <2 | <2 | <2 | |
| | 6/6/1996 | 5 | 5 | 5 | 5 | 5 | 5 | 29 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 170 | <2 | <2 | <2 | <2 | |
| | 9/19/1996 | 5 | 5 | 5 | 5 | 5 | 5 | 22 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 150 | <2 | <2 | <2 | <2 | |
| | 12/18/1996 | <2 | <2 | <2 | 28 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <40 | <10 | <20 | 25 | <2 | <2 | <2 | <2 | |
| Dup | 5/8/1997 | <2.5 | <2.5 | <2.5 | 33 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <6.1 | <2.5 | <2.5 | 170 | <2.5 | <2.5 | <2.5 | <2.5 | |
| | 7/2/1997 | <2 | <2 | <2 | 29 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | 5.1 | <2.5 | <2.5 | 160 | <2.5 | <2.5 | <2.5 | <2.5 | |
| | 7/24/1997 | <2.5 | <2.5 | <2.5 | 31 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 4.9 | <2.5 | <2.5 | 150 | <2.5 | <2.5 | <2.5 | <2.5 | |
| Dup | 8/5/1997 | <2.5 | <2.5 | <2.5 | 33 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 5.2 | <2.5 | <2.5 | 160 | <2.5 | <2.5 | <2.5 | <2.5 | |
| | 8/21/1997 | <2.5 | <2.5 | <2.5 | 30 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 5 | <2.5 | <2.5 | 150 | <2.5 | <2.5 | <2.5 | <2.5 | |
| Dup | 9/4/1997 | <2.5 | <2.5 | <2.5 | 29 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 4.7 | <2.5 | <2.5 | 140 | <2.5 | <2.5 | <2.5 | <2.5 | |
| | 9/17/1997 | <2.5 | <2.5 | <2.5 | 28 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 4.5 | <2.5 | <2.5 | 150 | <2.5 | <2.5 | <2.5 | <2.5 | |
| | 9/28/1998 | <1 | 2.1 | <1 | 51 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 4.9 | <2.5 | <2.5 | 160 | <2.5 | <2.5 | <2.5 | <2.5 | |
| | 10/21/1998 | <1 | <1 | <1 | 35 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | 2 | <2.5 | <2.5 | 230 | <1 | <1 | <1 | <1 | |
| Dup | 3/4/1999 | <0.5 | <0.5 | <0.5 | 22 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 6.9 | <0.5 | <0.5 | 140 | <1 | <1 | <1 | <1 | |
| | 7/14/1999 | <0.5 | <0.5 | <0.5 | 38 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.8 | 1.2 | <0.5 | 170 | <0.5 | <0.5 | <0.5 | <0.5 | |
| | 6/22/2000 | <0.5 | <0.5 | <0.5 | 24 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 11 | <0.5 | <0.5 | 110 | <0.5 | <0.5 | <0.5 | <0.5 | |
| Dup | 1/23/2001 | 0.45 J | <1 | <1 | 13 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.22 | 9 | 0.32 J | 6 | 2.3 | <1 | <1 | <1 | <1 |
| | 3/22/2002 | 0.38J | <1 | <1 | 16 | <0.5 | <0.5 | <1 | <10 | <1 | <1 | <1 | <1 | 14 | <1 | <1 | 72 | 6 | 1 | <1 | <1 | |
| WCC-12S | 11/18/1991 | 5 | 17 | 300 | | | | | | | | | | | | | | | | | | |
| Dup | 6/16/1992 | 5 | 5 | 250 | | | | | | | | | | | | | | | | | | |
| | 6/16/1992 | 5 | 5 | 260 | | | | | | | | | | | | | | | | | | |
| | 9/22/1992 | 7 | 1 | 130 | | | | | | | | | | | | | | | | | | |
| | 12/8/1992 | 5 | 5 | 160 | | | | | | | | | | | | | | | | | | |
| | 3/17/1993 | 7 | 2 | 100 | | | | | | | | | | | | | | | | | | |
| Dup | 6/7/1993 | 2 | 2 | 130 | | | | | | | | | | | | | | | | | | |
| | 8/25/1993 | <4 | 4 | 100 | | | | | | | | | | | | | | | | | | |
| | 11/19/1993 | 9 | 44 | 45 | | | | | | | | | | | | | | | | | | |
| Dup | 2/24/1994 | 7.7 | 7.7 | 89 | | | | | | | | | | | | | | | | | | |
| | 6/13/1994 | 15 | 84 | 84 | | | | | | | | | | | | | | | | | | |
| | 9/9/1994 | <2 | 97 | 52 | | | | | | | | | | | | | | | | | | |
| | 12/22/1994 | 17 | 52 | 52 | | | | | | | | | | | | | | | | | | |
| Dup | 3/14/1995 | 18 | 53 | 48 | | | | | | | | | | | | | | | | | | |
| | 6/12/1995 | 28 | 72 | 72 | | | | | | | | | | | | | | | | | | |
| | 9/6/1995 | 32 | 60 | 55 | | | | | | | | | | | | | | | | | | |
| | 12/15/1995 | 10 | 44 | 44 | | | | | | | | | | | | | | | | | | |
| Dup | 3/1/1996 | 13 | 47 | 47 | | | | | | | | | | | | | | | | | | |
| | 6/7/1996 | 12 | 37 | 44 | | | | | | | | | | | | | | | | | | |
| | 9/19/1996 | 15 | 48 | 42 | | | | | | | | | | | | | | | | | | |
| Dup | 12/18/1996 | 16 | 43 | 43 | | | | | | | | | | | | | | | | | | |
| | 5/8/1997 | 16 | 2.5 | 47 | 2.5 | | | | | | | | | | | | | | | | | |
| Dup | 7/2/1997 | 14 | 38 | 38 | 2 | | | | | | | | | | | | | | | | | |
| | 7/23/1997 | 14 | 34 | 42 | 2 | | | | | | | | | | | | | | | | | |
| Dup | 8/6/1997 | 14 | 38 | 42 | 2 | | | | | | | | | | | | | | | | | |
| | 8/21/1997 | 13 | 39 | 39 | 2.5 | | | | | | | | | | | | | | | | | |
| Dup | 9/4/1997 | 18 | 37 | 85 | 2.5 | | | | | | | | | | | | | | | | | |
| | 9/17/1997 | 13 | 40 | 13 | 2.5 | | | | | | | | | | | | | | | | | |
| Dup | 9/17/1997 | 130 | 2.5 | 120 | 130 | 2.5 | | | | | | | | | | | | | | | | |
| | 9/23/1998 | 11 | 2.5 | 34 | 110 | 2.5 | | | | | | | | | | | | | | | | |
| Dup | 10/21/1998 | 110 | 2.5 | 120 | 110 | 2.5 | | | | | | | | | | | | | | | | |
| | 3/2/1999 | 19 | <0.5 | 46 | 19 | <0.5 | | | | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MIBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane | |
|---------|--------------|---------|-----------|-----------|---------|---------|-------------------|-----------------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|-------|-------|-------|---------|---------------|-----------------|------------------------|-----|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | | | | | | | | | | | | | | | | | |
| WCC-12S | 7/13/1999 | 20 | <0.5 | <0.5 | 49 | 20 | <0.5 | <0.5 | <0.5 | <0.5 | 1.9 | 3 | <0.5 | <2.5 | 0.63 | 130 | <0.5 | <0.5 | <1 | <1 | <0.5 | | |
| | 6/21/2000 | 24 | <0.5 | <0.5 | 47 | <0.5 | | | <0.5 | <0.5 | 2.8 | 1.9 | <0.5 | <2.5 | 1 | 160 | <0.5 | <0.5 | <1 | <1 | <0.5 | | |
| | 1/22/2001 | 18 | <2.5 | <2.5 | 40 | <1.2 | <2.5 | <25 | <2.5 | <2.5 | 2 | 1.4J | <2.5 | <2.5 | <12 | <12 | <2.5 | 130 | 4.9 | <2.5 | <2.5 | <5 | |
| | 3/25/2002 | 19 | <2 | <2 | 45 | <1 | <2 | <20 | <2 | <1 | 1.9J | 8.7 | <2 | <2 | <10 | 1.2J | 140 | 1.8J | <2 | <2 | <2 | <4 | |
| DAC-P1 | 10/9/1989 | <200 | <200 | <200 | | | <1000 | <200 | | | 85 | <200 | <200 | <1000 | <1000 | 17000 | <200 | | | | | | |
| | 10/9/1989 | <200 | <5 | <5 | <5 | | | <30 | <5 | <1 | 10 | 13 | <5 | <10 | <10 | 21000 | <5 | | | | | | |
| | 6/17/1992 | <5 | <1 | 9 | 4 | <1 | <1 | <5 | 5 | <1 | 54 | 71 | 1 | <5 | 4 | 28000 | <1 | <1 | <1 | <1 | 1 | | |
| | 6/23/1992 | <1 | <0.5 | 9 | 4 | <1 | <1 | <5 | 5 | <1 | 4 | 51 | 70 | 2 | <5 | 4 | 28000 | <1 | <1 | <1 | <1 | 1 | |
| Dup. | 12/9/1992 | <500 | <500 | <500 | <300 | <500 | <3000 | <500 | <500 | <500 | <500 | <500 | <500 | <3000 | 2000 | <3000 | <500 | 29000 | <500 | <500 | <500 | <500 | |
| | 3/18/1993 | <2 | 44 | 5 | 21 | <2 | <2 | <10 | 5 | <5 | <5 | 44 | 68 | 2 | <10 | 7 | 10 | 21000 | 260 | <2 | <2 | <5 | |
| | 6/8/1993 | <100 | <100 | <200 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <2000 | <2000 | <1000 | <1000 | 28000 | 130 | <100 | <100 | <100 | |
| | 8/25/1993 | <200 | <200 | <400 | <400 | <200 | <4000 | <200 | <200 | <200 | <200 | <200 | <200 | <4000 | <400 | <2000 | <200 | 27000 | 300 | <200 | <200 | <200 | |
| Dup. | 11/19/1993 | <20 | <20 | <40 | <40 | <20 | <20 | <400 | <20 | <20 | <20 | 52 | 81 | <20 | <400 | <100 | <200 | <20 | 24000 | <20 | <20 | <20 | <20 |
| | 2/24/1994 | <20 | <20 | <40 | <40 | <20 | <20 | <400 | <20 | <20 | <20 | 47 | 89 | <20 | <400 | <100 | <200 | <20 | 20000 | <20 | <20 | <20 | <20 |
| | 6/13/1994 | <20 | <20 | <40 | <40 | <20 | <20 | <400 | <20 | <20 | <20 | 46 | 92 | <20 | <400 | <100 | <200 | <20 | 20000 | <20 | <20 | <20 | <20 |
| | 9/9/1994 | <200 | <200 | <400 | <400 | <200 | <200 | <4000 | <200 | <200 | <200 | <200 | <200 | <4000 | <1000 | <2000 | <200 | 18000 | <200 | <200 | <600 | <200 | |
| Dup. | 12/22/1994 | <200 | <200 | <400 | <400 | <200 | <200 | <4000 | <200 | <200 | <200 | <200 | <200 | <4000 | <1000 | <2000 | <200 | 11000 | <200 | <200 | <400 | <200 | |
| | 3/14/1995 | <200 | <200 | <400 | <400 | <200 | <200 | <4000 | <200 | <200 | <200 | <200 | <200 | <4000 | <1000 | <2000 | <200 | 21000 | <200 | <200 | <400 | <200 | |
| | 6/13/1995 | <200 | <200 | <400 | <400 | <200 | <200 | <4000 | <200 | <200 | <200 | <200 | <200 | <4000 | <1000 | <2000 | <200 | 18000 | <200 | <200 | <400 | <200 | |
| | 9/7/1995 | <5 | <5 | <5 | 12 | <5 | <5 | <10 | <5 | <5 | <5 | 33 | 89 | <5 | <10 | 17 | 13000 | 53 | <5 | <5 | <5 | <5 | |
| Dup. | 12/16/1995 | 2 | 38 | 4 | 120 | <2 | <2 | 5 | <2 | <2 | 45 | 130 | 5 | | | | | 20000 | 680 | <2 | <4 | <2 | |
| | 3/4/1996 | <100 | <100 | 100 | <100 | <100 | <200 | <100 | <100 | <100 | <100 | <100 | <100 | <200 | <100 | <200 | <100 | 15000 | 260 | <100 | <200 | <100 | |
| | 3/4/1996 | <50 | <50 | 190 | <50 | <50 | <100 | <50 | <50 | <50 | 95 | 95 | <50 | <100 | <50 | <100 | <50 | 13000 | 490 | <50 | <50 | <50 | |
| | 6/7/1996 | <25 | 45 | <25 | 180 | <25 | <25 | <50 | <25 | <25 | 29 | 95 | <25 | <50 | <25 | <25 | <25 | 12000 | 490 | <25 | <25 | <25 | |
| Dup. | 9/19/1996 | <250 | <250 | 350 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 15000 | 740 | <250 | <250 | <250 | |
| | 12/19/1996 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | <500 | 610 | <500 | <500 | <500 | <500 | |
| | 5/9/1997 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 15000 | 450 | <250 | <250 | <250 | |
| | 7/8/1997 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 3200 | 110 | <50 | <50 | <50 | |
| Dup. | 7/24/1997 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 14000 | 540 | <50 | <50 | <50 | |
| | 8/6/1997 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 15000 | 460 | <250 | <250 | <250 | |
| | 8/22/1997 | <250 | <250 | 470 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 17000 | 1300 | <250 | <250 | <250 | |
| | 9/5/1997 | <250 | <250 | 270 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 15000 | 810 | <250 | <250 | <250 | |
| Dup. | 9/18/1997 | <250 | <250 | <250 | <250 | <250 | <250 | 2900 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 14000 | 540 | <250 | <250 | <250 | |
| | 4/8/1999 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 69 | 69 | <50 | <50 | <50 | <50 | <50 | 14000 | 540 | <50 | <50 | <50 | |
| | 7/16/1999 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | <125 | 18000 | 125 | <125 | <125 | <125 | |
| | 6/26/2000 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 79 | 79 | <50 | <50 | <50 | <50 | <50 | 14000 | 540 | <50 | <50 | <50 | |
| Dup. | 1/18/2001 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 12000 | 10000 | <250 | <250 | <500 | |
| | 3/27/2002 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 17000 | 1250 | <250 | <250 | <500 | |
| | 09/19/2002 | <50 | <50 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | 37J | 80 | <50 | <50 | <50 | <50 | <50 | 18000 | 540 | <50 | <50 | <50 | |
| | 03/28/03 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | <250 | 89J | 250 | <250 | <250 | <250 | <250 | <250 | 13000 | 250 | <250 | <250 | <250 | |
| TMW-1 | 7/15/1998 | <5 | 12 | <5 | 900 | <5 | <5 | <5 | <5 | <5 | 7.1 | <5 | <5 | <5 | <25 | <25 | <25 | 540 | <5 | <5 | <10 | 22 | |
| | 9/22/1998 | <5 | 5.6 | <5 | 730 | <5 | <5 | <5 | <5 | <5 | 5.4 | <5 | <5 | <5 | <25 | <25 | <25 | 410 | <5 | <5 | <10 | <5 | |
| | 10/19/1998 | <2.5 | 4 | <2.5 | 670 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 4.7 | <2.5 | <2.5 | <2.5 | <12.5 | <2.5 | <2.5 | 370 | <2.5 | <2.5 | <5 | 23 | |
| | 3/5/1999 | <1.25 | 1.3 | <1.25 | 330 | <1.25 | <1.25 | <1.25 | <1.25 | <1.25 | 4.7 | <1.25 | <1.25 | <1.25 | <6.25 | <1.25 | <1.25 | 320 | <1.25 | <1.25 | <2.5 | 18 | |
| Dup. | 7/15/1999 | <2.5 | 2.5 | <2.5 | 600 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 2.5 | <2.5 | <2.5 | <2.5 | <12.5 | <2.5 | <2.5 | 340 | <2.5 | <2.5 | <5 | 14 | |
| | 6/23/2000 | <2.5 | 2.5 | <2.5 | 340 | <2.5 | <2.5 | <2.5 | <2.5 | <2 | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1,-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone | Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane |
|-------|--------------|-----------|-----------|-----------|---------|---------|-------------------|---------|---------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|-------|-------|-------|---------|---------------|-----------------|------------------------|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| TMW-3 | 7/31/1998 | <50 | <50 | <50 | 200 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <250 | <50 | 8100 | <50 | <50 | <100 | <100 | <100 | <50 |
| | 9/22/1998 | <100 | <100 | <100 | 150 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <250 | <100 | 12000 | <100 | <100 | <200 | <200 | <100 | <100 |
| | 10/20/1998 | <50 | <50 | <50 | 330 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <250 | <50 | 9900 | <50 | <50 | <100 | <100 | <50 | <50 |
| | 3/5/1999 | <50 | <50 | <50 | 210 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <250 | <50 | 8200 | <50 | <50 | <100 | <100 | <50 | <50 |
| | 7/15/1999 | <50 | <50 | <50 | 340 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <250 | <50 | 7800 | <50 | <50 | <100 | <100 | <50 | <50 |
| | 6/22/2000 | <10 | <10 | <10 | 96 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <50 | <10 | 3500 | <10 | <10 | <10 | <20 | <10 | <10 |
| | 1/29/2001 | <50 | <50 | <50 | 76 | <25 | <50 | <50 | <50 | <25 | <50 | <50 | <50 | <50 | <250 | <50 | 2200 | 20 J | <50 | <50 | <100 | <100 | <100 |
| | 7/19/2001 | 22 | <50 | 24 | 350 | <25 | <50 | <500 | <50 | <50 | <25 | <50 | 42 | <50 | <250 | <50 | 8800 | 20 | <50 | <50 | <100 | <100 | <100 |
| | 3/26/2002 | 15J | <50 | <50 | 140 | <25 | <50 | <500 | <50 | <50 | <25 | <50 | <50 | <50 | <250 | <50 | 4000 | <50 | <50 | <50 | <100 | <100 | <100 |
| | 09/19/02 | 19 | 8.5J | 10 | 160 | <5 | <10 | <100 | <10 | <10 | <5 | 9.9J | 30 | <10 | <50 | <10 | 4500 | <10 | <10 | <10 | <10 | <20 | <20 |
| | TMW-4 | 7/14/1998 | 55 | <25 | 43 | 1500 | <25 | <25 | <25 | <25 | <25 | 110 | 66 | <125 | <25 | 2300 | <25 | <25 | <50 | <50 | <25 | <25 | <25 |
| | 9/22/1998 | 47 | 19 | 28 | 1800 | 47 | <10 | <10 | <10 | <10 | 21 | 83 | 58 | <50 | <10 | 2600 | <10 | <10 | <20 | <20 | <10 | <10 | |
| | 10/20/1998 | 56 | 22 | 29 | 2400 | 56 | <10 | 10 | <50 | <10 | 20 | 98 | 73 | <50 | <10 | 2900 | <10 | <10 | <20 | <20 | <10 | <10 | |
| | 3/4/1999 | <50 | <50 | <50 | 2000 | <50 | <50 | <50 | <50 | <50 | 64 | 54 | <250 | <50 | 2900 | <50 | <50 | <100 | <100 | <50 | <50 | | |
| | 7/15/1999 | 42 | 10 | 10 | 2500 | 23 | <10 | <10 | <10 | <10 | 30 | 77 | 64 | <10 | 2500 | <10 | <10 | <10 | <10 | <20 | <20 | | |
| | 6/22/2000 | 22 | <5 | <5 | 890 | 15 | <5 | <5 | <5 | <5 | 17 | 39 | 27 | <25 | <5 | 1700 | <5 | <5 | <10 | <10 | <5 | <5 | |
| | 1/29/2001 | 19 J | <50 | <50 | 1100 | 12 J | <50 | <500 | <50 | <50 | 14 | 29 J | 21 J | <250 | <50 | 2500 | <50 | <50 | <50 | <50 | <100 | <100 | |
| | 7/17/2001 | 12 | <5 | 6.1 | 850 | 7.1 | <5 | <50 | <5 | <5 | 12 | 22 | 15 | <25 | 1.6 | <25 | <5 | 1800 | 4.9 | <5 | <5 | <10 | |
| | 3/26/2002 | 18J | <25 | <25 | 720 | 10J | <25 | <250 | <25 | <25 | 11J | 36 | 21J | <120 | <25 | <25 | <5 | 1900 | <25 | <25 | <50 | <50 | |
| | 09/18/02 | 12 | <5 | 4.4J | 660 | 7.6 | <5 | <50 | <5 | <5 | 11 | 18 | 13 | <25 | <5 | 1700 | <5 | <5 | <5 | <5 | <10 | | |
| | 03/27/03 | 25 | <25 | 9.8J | 1200 | 12 | <25 | <250 | <25 | <25 | 10J | 44 | 31 | <120 | <25 | <25 | <25 | 2000 | <25 | <25 | <25 | <25 | |
| | TMW-5 | 7/14/1998 | <25 | <25 | <25 | 460 | <25 | <25 | <25 | <25 | 0.25 | <25 | <25 | <25 | <25 | <125 | <25 | 3700 | <25 | <25 | <50 | <50 | <25 |
| | 9/22/1998 | <12.5 | <12.5 | <12.5 | 470 | <12.5 | <12.5 | <12.5 | <12.5 | <12.5 | 24 | <12.5 | <12.5 | <12.5 | <12.5 | <62.5 | <12.5 | 3500 | <12.5 | <12.5 | <25 | <25 | <12.5 |
| | 10/19/1998 | <25 | <25 | <25 | 530 | <25 | <25 | <25 | <25 | <25 | 28 | <25 | <25 | <25 | <25 | <125 | <25 | 5000 | <25 | <25 | <50 | <50 | <25 |
| | 3/4/1999 | <50 | <50 | <50 | 500 | <50 | <50 | <50 | <50 | <50 | 4500 | <50 | <50 | <50 | <50 | <250 | <50 | 4300 | <50 | <50 | <100 | <100 | <50 |
| | 7/14/1999 | <50 | <50 | <50 | 710 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | <12.5 | <2.5 | 130 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 |
| | 7/15/1999 | <2.5 | <2.5 | <2.5 | 8.6 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 560 | <2.5 | <2.5 | <2.5 | <2.5 | <12.5 | <2.5 | 4100 | <13 | <13 | <13 | <13 | <13 |
| | 6/22/2000 | <13 | <13 | <13 | 650 | <13 | <13 | <13 | <13 | <13 | <13 | <13 | <13 | <13 | <13 | <63 | <13 | 2900 | <50 | <50 | <50 | <50 | <100 |
| | 1/23/2001 | <50 | <50 | <50 | 460 | <25 | <50 | <500 | <50 | <50 | <25 | 15 | <50 | <50 | <250 | <50 | 2900 | <50 | <50 | <50 | <50 | <100 | |
| | 7/17/2001 | 5.8 | <10 | 13 | 630 | 11 | <10 | <100 | <10 | <10 | 19 | 7 | <10 | <50 | <10 | <50 | <10 | 4700 | 20 | <10 | <10 | <20 | |
| | 3/26/2002 | <50 | <50 | <50 | 250 | <50 | <500 | <50 | <50 | <50 | 20J | 50 | <50 | <50 | <250 | <50 | 3900 | <50 | <50 | <50 | <50 | <100 | |
| | 09/18/02 | 9.5J | <25 | 25 | 640 | 25 | <25 | <250 | <25 | <25 | 12 | 25 | 32 | <25 | <120 | <25 | 8800 | <25 | <25 | <25 | <25 | <50 | |
| | 03/26/03 | <100 | <100 | <100 | 610 | <50 | <1000 | <100 | <100 | <100 | 41J | <100 | <500 | <100 | <100 | <100 | 4300 | <100 | <100 | <100 | <100 | <200 | |
| | TMW-6 | 7/14/1998 | <2.5 | <2.5 | <2.5 | 26 | <2.5 | <2.5 | <2.5 | <2.5 | 550 | 3.4 | <2.5 | <2.5 | <2.5 | <12.5 | <2.5 | 490 | <2.5 | <2.5 | <5 | <5 | <2.5 |
| | 9/22/1998 | <2.5 | <2.5 | <2.5 | 11 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 630 | <2.5 | <2.5 | <2.5 | <2.5 | <12.5 | <2.5 | 240 | <2.5 | <2.5 | <5 | <5 | <2.5 |
| | 10/19/1998 | <2.5 | <2.5 | <2.5 | 11 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 500 | <2.5 | <2.5 | <2.5 | <2.5 | <12.5 | <2.5 | 210 | <2.5 | <2.5 | <5 | <5 | <2.5 |
| | 3/4/1999 | <2.5 | <2.5 | <2.5 | 8.4 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 630 | <2.5 | <2.5 | <2.5 | <2.5 | <12.5 | <2.5 | 170 | <2.5 | <2.5 | <5 | <5 | <2.5 |
| | 6/22/2000 | <2.5 | <2.5 | <2.5 | 2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 100 | <2.5 | <2.5 | <2.5 | <2.5 | <12.5 | <2.5 | 540 | <2.5 | <2.5 | <5 | <5 | <2.5 |
| | 1/29/2001 | <5 | <5 | <5 | 7 | <2.5 | <5 | <50 | <5 | <5 | 270 | <5 | <5 | <25 | <5 | <12.5 | <5 | 81 | 14 | <5 | <5 | <10 | |
| | 7/17/2001 | 0.23 | <1 | <1 | 4.1 | <0.5 | <1 | <10 | <1 | <10 | 250 | <1 | <1 | <5 | <1 | <12.5 | <1 | 55 | 15 | <1 | <1 | <2 | |
| | 3/26/2002 | <2 | <2 | <2 | 6.3 | <1 | <2 | <20 | <2 | <2 | 130 | <1 | 1.6J | <2 | <10 | <2 | <120 | <2 | 160 | <2 | <2 | <4 | |
| | 09/18/02 | 0.38J | <1 | <1 | 3.4 | <0.5 | <1 | <10 | <1 | <10 | 180 | <1 | <1 | <5 | <1 | <12.5 | <1 | 53 | <1 | <1 | <1 | <2 | |
| | 03/26/03 | <5 | <5 | <5 | 6 | <2.5 | <5 | <50 | <5 | <5 | 170 | <5 | <5 | <25 | <5 | <12.5 | <5 | 67 | <5 | <5 | <5 | <5 | |
| | TMW-7 | 7/14/1998 | 73 | 20 | 29 | 3000 | 73 | <12.5 | 40 | <12.5 | 26 | 120 | 83 | <62.5 | <12.5 | 3500 | <12.5 | <12.5 | <12.5 | <12.5 | <12.5 | | |
| | 9/22/1998 | 36 | <12.5 | 17 | 1700 | 36 | <12.5 | 19 | <12.5 | 13 | 70 | 48 | <62.5 | <12.5 | 2700 | <12.5 | <12.5 | <12.5 | <12.5 | <12.5 | | | |
| | 10/20/1998 | 44 | <10 | 17 | 2400 | 44 | <10 | 23 | <10 | <10 | 14 | 89 | 65 | <50 | <10 | 3000 | <10 | <10 | 20 | <10 | | | |
| | 3/5/1999 | 41 | <12.5 | 14 | 2200 | 41 | <12.5 | 16 | <12.5 | 13 | 75 | 54 | <62.5 | <12.5 | 2900 | <12.5 | <12.5 | <12.5 | <12.5 | | | | |
| | 7/15/1999 | 36 | <12.5 | 14 | 2100 | 36 | <12.5 | | | | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1,- | 1,1,1- | 1,1,2- | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MIBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoro methane | | |
|--------|--------------|-------|--------|----------|---------|---------|-------------------|-----------------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|-------|-------|--------|---------|---------------|-----------------|-------------------------|-------|-----|
| | | DCA | TCA | TCA | | | | | | | | | | | | | | | | | | | | |
| TMW-8 | 03/26/02 | 42J | <50 | <50 | 3100 | <25 | <50 | <500 | 17J | <50 | <25 | <50 | 72 | 55 | <250 | <50 | <50 | 3600 | <50 | <50 | <50 | <100 | | |
| | 03/28/03 | 62 | <50 | <50 | 3800 | <25 | <50 | <500 | 27J | <50 | <25 | <50 | 94 | 76 | <250 | <50 | <50 | 3700 | <50 | <50 | <50 | <100 | | |
| TMW-9 | 7/14/1998 | <1 | <1 | <1 | 24 | <1 | <1 | | | <1 | <1 | <1 | 2.9 | <1 | | | | 2.1 | 290 | <1 | <1 | <1 | <1 | |
| | 9/22/1998 | <1 | <1 | <1 | 14 | <1 | <1 | | | <1 | <1 | <1 | 2 | <1 | | | | 2.3 | 250 | <1 | <1 | <1 | <1 | |
| | 10/19/1998 | <2.5 | <2.5 | <2.5 | 51 | <2.5 | <2.5 | | | 42.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | 3.5 | 420 | <2.5 | <2.5 | <2.5 | <2.5 | |
| | 3/4/1999 | <5 | <5 | <5 | 110 | <5 | <5 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 760 | <5 | <5 | <5 | <10 | | |
| | 7/14/1999 | <5 | <5 | <5 | 290 | <5 | <5 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1200 | <5 | <5 | <5 | <5 | | |
| | 6/23/2000 | <5 | <5 | <5 | 220 | <5 | <5 | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | 1000 | <5 | <5 | <5 | <10 | | |
| | 1/29/2001 | <12 | <12 | <12 | 170 | <6.2 | <12 | | | <120 | <12 | <12 | <6.2 | <12 | <12 | <12 | <12 | 850 | <19 | <12 | <12 | <25 | | |
| | 3/26/2002 | <5 | <5 | <5 | 35 | <2.5 | <5 | | | <50 | <5 | <5 | <5 | 9 | <5 | <25 | <5 | 260 | <5 | <5 | <5 | <10 | | |
| TMW-10 | 3/3/1999 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 4.2 | <0.5 | <0.5 | <2.5 | 0.94 | 3.8 | <0.5 | <0.5 | <1 | 0.51 | | |
| | 7/13/1999 | <0.5 | <0.5 | <0.5 | 0.58 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 4.9 | <0.5 | <0.5 | <2.5 | 1.3 | 4.4 | <0.5 | <0.5 | <1 | 0.82 | | |
| | 6/20/2000 | <0.5 | <0.5 | <0.5 | 0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 4.7 | <0.5 | <0.5 | <2.5 | 1 | 4.1 | <0.5 | <0.5 | <1 | <0.5 | | |
| | 1/19/2001 | <12 | <12 | <12 | 12.5 | <6.2 | <12 | | | <120 | <12 | <12 | <6.2 | 3.3 | <12 | <12 | <12 | 850 | 13 | <12 | <12 | <25 | | |
| | 5/10/2001 | <1 | 1.7 | <1 | <1 | <0.5 | 0.22 J | | | 5.7 J | <1 | <1 | <0.5 | 2.7 | <1 | <1 | <1 | 110 E | 0.84 J | 3.6 | <1 | <1 | 1.2 J | |
| | 7/18/2001 | <1 | <1 | <1 | <1 | <0.5 | <1 | | | <10 | <1 | <1 | <0.5 | 2.3 | <1 | <1 | <1 | 0.83 | 3.6 | <1 | <1 | <1 | 1.1 | |
| | 3/21/2002 | <1 | <1 | <1 | <1 | <0.5 | <1 | | | <10 | <1 | <1 | <0.5 | 3 | <1 | <1 | <1 | 0.88 J | 3.7 | 5.5 | <1 | <1 | 1.2 J | |
| | 09/16/2002 | <1 | <1 | <1 | <1 | <0.5 | <1 | | | <10 | <1 | <1 | <0.5 | 2.9 | <1 | <1 | <1 | 0.82 J | 3.8 | 2.2 | <1 | <1 | 1.5 J | |
| | 03/26/03 | <1 | <1 | <1 | <1 | <0.5 | <1 | | | <10 | <1 | <1 | <0.5 | 3.2 | <1 | <1 | <1 | 1 | 4.9 | 0.58 J | <1 | <1 | 1.5 J | |
| TMW-11 | 3/3/1999 | <1.25 | <1.25 | <1.25 | <1.25 | 99 | <1.25 | | | <1.25 | <1.25 | <1.25 | 1.7 | 430 | <1.25 | <1.25 | <6.25 | 1.9 | 21 | <1.25 | <1.25 | <1.25 | <1.25 | |
| | 7/13/1999 | <1.25 | <1.25 | <1.25 | 1.5 | <1.25 | <1.25 | | | <1.25 | <1.25 | <1.25 | 1.7 | 450 | <1.25 | <1.25 | <6.25 | 1.7 | 23 | <1.25 | <1.25 | <1.25 | <1.25 | |
| | 6/20/2000 | <2.5 | <2.5 | <2.5 | 2.5 | <2.5 | <2.5 | | | <2.5 | <2.5 | <2.5 | 740 | <2.5 | <2.5 | <2.5 | <13 | 47 | <2.5 | <2.5 | <2.5 | <2.5 | | |
| | 1/24/2001 | <10 | <10 | <10 | <10 | <5 | <10 | | | <100 | <10 | <10 | <5 | 720 | <10 | <10 | <10 | <10 | 21 | 13 | <10 | <10 | <10 | <20 |
| | 7/17/2001 | <2 | <2 | <2 | <2 | <1 | <2 | | | <20 | <2 | <2 | 2 | 430 | <2 | <2 | <10 | 0.75 | 10 | 2.5 | 11 | 4.9 | <2 | <4 |
| | 3/22/2002 | <5 | <5 | <5 | <5 | <5 | <5 | | | <50 | <5 | <5 | 3.3 | 340 | <5 | <5 | <5 | 5.7 | 7 | <5 | 5.2 | <1 | <1 | <10 |
| | 09/17/02 | <1 | <1 | <1 | <1 | <1 | <0.5 | | | <10 | <1 | <1 | 3.4 | 330 | <1 | <1 | <1 | 5.8 J | 7.1 J | <10 | <10 | <10 | <20 | |
| | 03/26/03 | <10 | <10 | <10 | <10 | <5 | <10 | | | 53J | <10 | <10 | 3.4 J | 390 | <10 | <10 | <10 | 5.8 J | 7.1 J | <10 | <10 | <10 | <20 | |
| TMW-12 | 3/3/1999 | <10 | <10 | <10 | 20 | <10 | <10 | | | <20 | <10 | <10 | 3100 | <10 | <10 | <50 | 15 | 700 | <10 | <10 | <10 | <20 | | |
| | 7/13/1999 | <10 | <10 | <10 | 32 | <10 | <10 | | | <20 | <10 | <10 | 2800 | <10 | <10 | <50 | 10 | 760 | <10 | <10 | <10 | <20 | | |
| | 6/21/2000 | <10 | <10 | <10 | 25 | <10 | <10 | | | <20 | <10 | <10 | 2100 | <10 | <10 | <50 | 13 | 440 | <10 | <10 | <10 | <20 | | |
| | 1/22/2001 | <25 | <25 | <25 | 18 | <12 | <25 | | | <250 | <25 | <25 | 1500 | <25 | <25 | <25 | <25 | 310 | 12 | 170 | 6.7 | <5 | <10 | |
| | 7/17/2001 | <5 | <5 | <5 | 16 | <2.5 | <5 | | | <50 | <5 | <5 | 2.9 | 1400 | <5 | <5 | <5 | 2.9 | 97 | <0.5 | <0.5 | <1 | <0.5 | |
| | 3/25/2002 | <20 | <20 | <20 | 14J | <10 | <20 | | | <200 | <20 | <20 | 1200 | <20 | <20 | <20 | <20 | 150 | 17J | <20 | <20 | <40 | | |
| | 09/18/02 | <5 | <5 | <5 | 17 | <2.5 | <5 | | | <50 | <5 | <5 | 4.5 | 1600 | <5 | <5 | <5 | 13 | 120 | <5 | <5 | <5 | <10 | |
| TMW-13 | 3/3/1999 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 4.6 | 31 | <0.5 | <0.5 | <2.5 | 5.8 | 120 | <0.5 | <0.5 | <1 | <0.5 | |
| | 7/13/1999 | <0.5 | <0.5 | <0.5 | 0.6 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 4.5 | 29 | <0.5 | <0.5 | <2.5 | 5.6 | 116 | <0.5 | <0.5 | <1 | <0.5 | |
| | 6/21/2000 | <0.5 | <0.5 | <0.5 | 0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 3 | 14 | <0.5 | <0.5 | <2.5 | 2.9 | 97 | <0.5 | <0.5 | <1 | <0.5 | |
| | 5/10/2001 | <1 | 2.6 | <1 | <1 | <1 | <1 | | | <10 | <2 | <2 | 0.6 J | 1.1 | <1 | <1 | <2.5 | 61 | 1 | 10 | 1.3 | <1 | <0.5 | |
| | 7/17/2001 | <1 | <1 | <1 | 0.39 | <0.5 | <1 | | | <10 | <1 | <1 | 1.2 | 11 | <1 | <1 | <2.5 | 0.93 | 2 | 72 | <1 | <1 | <1 | <2 |
| | 3/22/2002 | <1 | <1 | <1 | 0.31J | <0.5 | <1 | | | <10 | <1 | <1 | 1.2 | 8.7 | <1 | <1 | <1 | 0.31J | 3.2 | 74 | <1 | <1 | <1 | <2 |
| TMW-14 | 3/3/1999 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 3.8 | 4.6 | <0.5 | <0.5 | <2.5 | 2.5 | 15 | <0.5 | <0.5 | <1 | <0.5 | |
| | 7/13/1999 | <0.5 | <0.5 | <0.5 | 0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 4.4 | 4.4 | <0.5 | <0.5 | <2.5 | 1.8 | 13 | <0.5 | <0.5 | <1 | <0.5 | |
| | 6/21/2000 | <0.5 | <0.5 | <0.5 | 0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 5.8 | 5.8 | <0.5 | <0.5 | <2.5 | 1 | 10 | 1.3 | 0.57 | 1.8 | <0.5 | |
| | 1/25/2001 | <1 | <1 | <1 | 1.9 | 0.92 J | <0.5 | | | <10 | <1 | <1 | 1.1 | 5.4 | <1 | <1 | <2.5 | 0.4 J | 12 | 9.2 | 16 | 0.26 J | 1.2 | <2 |
| | 7/18/2001 | <1 | <1 | <1 | <1 | <0.5 | <1 | | | <10 | <1 | <1 | 1.5 | 3.5 | <1 | <1 | <2.5 | 1.2 | 8.4 | 15 | 11 | 6.4 | <1 | <1 |
| | 3/22/2002 | <1 | <1 | <1 | <1 | <0.5 | <1 | | | <10 | <1 | <1 | 2 | 3.9 | <1 | <1 | <2.5 | 1 | 1.4 | 11 | 10 | 0.98 J | <1 | <1 |
| | 09/18/02 | <1 | <1 | <1 | <1 | <0.5 | <1 | | | <10 | <1 | <1 | 2 | 4 | 0.34 J | <1 | <1 | 5.6 | 1.6 | 10 | 0.33 J | <1 | <1 | <2 |
| | 03/26/03 | <1 | <1 | <1 | <1 | <0.5 | <1 | | | <10 | <1 | <1 | 1.8 | 3.3 | <1 | <1 | <1 | 5.6 | 1 | 26 | 2.5 | <1 | <1 | <2 |
| TMW-15 | 3/3/1999 | <0.5 | <0.5 | <0.5</td | | | | | | | | | | | | | | | | | | | | |

Table V
Summary of Historical Volatile Organic Compounds
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | 1,1-DCA | 1,1,1-TCA | 1,1,2-TCA | 1,1-DCE | 1,2-DCA | Isopropyl benzene | Acetone | Benzene | Carbon disulfide | Carbon tetrachloride | Chloroform | cis-1,2-DCE | trans-1,2-DCE | MEK (2-butanone) | Methylene chloride | MIBK | PCE | TCE | Toluene | Ethyl Benzene | Xylenes (total) | Trichlorofluoromethane | |
|--------|--------------|-----------|-----------|-----------|---------|---------|-------------------|---------|---------|------------------|----------------------|------------|-------------|---------------|------------------|--------------------|-------|-------|-------|---------|---------------|-----------------|------------------------|------|
| | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | |
| TMW-16 | 6/26/2000 | <0.5 | <0.5 | | 2.7 | | | | | <0.5 | <0.5 | <0.5 | <0.5 | <1 | <1 | <5 | <1 | <5 | 1.1 | 2.5 | 12 | 0.63 J | 2.3 | <2 |
| | 1/25/2001 | <1 | <1 | <1 | 0.29 J | <0.5 | <1 | <10 | <1 | <1 | <0.5 | 0.31 | <1 | <1 | <5 | <1 | <5 | 1.1 | 2.5 | 1.6 | 1.1 | <1 | <1 | <2 |
| | 3/21/2002 | <1 | <1 | <1 | <1 | <0.5 | 0.35J | 4.7J | <1 | <1 | <0.5 | 0.47J | <1 | <1 | <5 | <1 | <5 | 0.94J | 1.6 | 1.1 | <1 | <1 | <1 | <2 |
| | 09/16/02 | <1 | <1 | <1 | <1 | <0.5 | <1 | <10 | <1 | <1 | <0.5 | <1 | <1 | <1 | <5 | 2.3 | <5 | 1.1 | 1.7 | <1 | <1 | <1 | <1 | <2 |
| TMW-17 | 5/20/1999 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 1.5 | <0.5 | <0.5 | | <2.5 | <0.5 | 32 | <0.5 | <0.5 | <1 | <1 | <0.5 |
| | 7/14/1999 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 1.6 | <0.5 | <0.5 | | <2.5 | <0.5 | 32 | <0.5 | <0.5 | <1 | <1 | <0.5 |
| | 1/14/2000 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | | <0.5 | <0.5 | <0.5 | 1.6 | <0.5 | <0.5 | | <2.5 | <0.5 | 25 | <1 | <0.5 | <1 | <1 | <0.5 |
| BL-1 | 7/17/2001 | <1 | <1 | <1 | <1 | <1 | <0.5 | 0.31 | <10 | 0.77 | <1 | <0.5 | <1 | 11 | <1 | <5 | 4.8 | <5 | <1 | 0.99 | 6.4 | <1 | <1 | <2 |
| | Dup | 7/17/2001 | 0.35 | <1 | <1 | <1 | <1 | <0.5 | 0.32 | <10 | 0.81 | <1 | <0.5 | <1 | 12 | <1 | <5 | 6 | <5 | <1 | 1 | 6.9 | <1 | <1 |
| BL_3 | 3/26/2002 | <12 | <12 | <12 | <12 | <12 | <6.2 | <12 | <120 | <12 | <12 | <6.2 | <12 | <12 | <12 | <62 | <12 | 22 | 840 | <12 | <12 | <12 | <12 | <25 |
| | 3/27/2003 | <12 | <12 | <12 | 16 | <6.2 | <12 | <120 | <12 | <12 | <6.2 | <12 | 29 | <12 | <62 | <12 | 21 | 890 | <12 | <12 | <12 | <12 | <25 | |
| Dup | 3/27/2003 | <12 | <12 | <12 | 16 | <6.2 | <12 | <120 | <12 | <12 | <6.2 | <12 | 41 | <12 | <62 | <12 | 24 | 920 | <12 | <12 | <12 | <12 | <25 | |
| | XMW_09 | 3/21/2002 | <25 | <25 | <25 | <25 | <12 | <25 | <250 | <25 | <25 | <12 | 1400 | <25 | <25 | <120 | <25 | 55 | 30 | <25 | <25 | <25 | <25 | <50 |
| XMW_18 | 3/27/2002 | <12 | <12 | <12 | 14 | <6.2 | <12 | <120 | <12 | <12 | <6.2 | 7.5J | <12 | <12 | <62 | <12 | <12 | 1100 | <12 | <12 | <12 | <12 | <25 | |
| XMW_19 | 3/22/2002 | <1 | <1 | <1 | 0.58J | <0.5 | <1 | <10 | <1 | <1 | <0.5 | 87 | 0.58J | <1 | <5 | <1 | 0.77J | 10 | 0.62J | <1 | <1 | <2 | <2 | |
| Dup | 3/28/2003 | <2 | <2 | <2 | 0.7J | <1 | <2 | <20 | <2 | <2 | <1 | 86 | 0.75J | <2 | <10 | <2 | <2 | 8.7 | <2 | <2 | <2 | <2 | <4 | |
| | 3/28/2003 | <2 | <2 | <2 | <2 | <1 | <2 | <20 | <2 | <2 | <1 | 86 | 0.73J | <2 | <10 | <2 | 0.6J | 8.5 | <2 | <2 | <2 | <2 | <4 | |

1,1-DCA - 1,1-Dichloroethane
 1,1,1-TCA - 1,1,1-Trichloroethane
 1,1,2-TCA - 1,1,2-Trichloroethane
 1,1-DCE - 1,1-Dichloroethene
 1,2-DCA - 1,2-Dichloroethane
 cis-1,2-DCE - cis-1,2-Dichloroethene
 MEK - methyl-ethyl-ketone
 PCE - Tetrachloroethene
 TCE - Trichloroethene
 DUP = Duplicate sample
 ug/L = Micrograms per liter

QA/QC: BB
Date 5/27/03

Table VI
Summary of Monitored Natural Attenuation Parameters
Boeing Realty Corporation Former C-6 Facility

| Well | Date Sampled | DO | ORP | pH | Conductivity | Temperature |
|---------|--------------|-------|------|------|--------------|-------------|
| | | mg/L | mV | | ms/cm | °C |
| WCC-3S | 3/21/2002 | 0.10 | -182 | 6.61 | 2.86 | 23.88 |
| | 3/27/2003 | 4.99 | -85 | 6.57 | 1.35 | 26.63 |
| WCC-4S | 3/26/2002 | 3.63 | -11 | 7.98 | 1.99 | 23.50 |
| WCC-5S | 3/21/2002 | 4.83 | 61 | 6.98 | 1.37 | 23.19 |
| | 9/16/2002 | 5.02 | 74 | 7.05 | 1.93 | 23.56 |
| | 3/25/2003 | 3.65 | 38 | 7.35 | 1.13 | 23.09 |
| WCC-6S | 3/26/2002 | 2.12 | -137 | 7.89 | 2.20 | 24.00 |
| | 3/25/2003 | 3.16 | -208 | 7.06 | 1.71 | 23.44 |
| WCC-7S | 3/25/2002 | 4.03 | 55 | 7.16 | 1.23 | 23.47 |
| | 3/28/2003 | 9.63 | 175 | 7.32 | 1.79 | 21.30 |
| WCC-9S | 3/22/2002 | 3.09 | 55 | 7.04 | 1.34 | 23.25 |
| | 3/26/2003 | 4.15 | 15 | 7.29 | 1.58 | 23.13 |
| WCC-12S | 3/25/2002 | 4.80 | 61 | 7.18 | 1.21 | 23.56 |
| DAC-P1 | 3/27/2002 | 5.77 | 82 | 7.16 | 2.00 | 23.40 |
| | 9/19/2002 | 5.58 | 60 | 7.34 | 2.33 | 23.87 |
| | 3/28/2003 | 9.98 | 86 | 7.16 | 2.44 | 22.10 |
| TMW-1 | 3/25/2002 | 6.32 | 98 | 6.93 | 5.20 | 23.47 |
| | 9/18/2002 | 2.80 | 59 | 7.26 | 3.25 | 23.54 |
| | 3/27/2003 | 6.62 | 80 | 6.65 | 5.37 | 23.52 |
| TMW-2 | 3/26/2002 | 2.28 | -113 | 7.79 | 2.84 | 22.50 |
| | 9/19/2002 | 0.16 | -169 | 6.74 | 3.43 | 23.91 |
| | 3/28/2003 | 11.59 | — | 6.94 | 2.69 | 22.80 |
| TMW-4 | 3/26/2002 | 6.01 | 33 | 8.02 | 1.84 | 23.00 |
| | 9/18/2002 | 6.17 | 82 | 7.43 | 1.96 | 24.76 |
| | 3/27/2003 | 5.10 | 113 | 6.58 | 1.41 | 22.94 |
| TMW-5 | 3/26/2002 | 6.53 | 4 | 8.29 | 0.83 | 22.90 |
| | 9/18/2002 | 4.57 | 71 | 7.53 | 1.31 | 23.78 |
| | 3/28/2003 | 10.16 | 152 | 7.58 | 0.65 | 21.80 |
| TMW-6 | 3/26/2002 | 7.37 | 139 | 6.56 | 1.62 | 22.60 |
| | 9/18/2002 | 4.52 | 89 | 7.50 | 1.93 | 22.76 |
| | 3/26/2003 | 6.07 | 120 | 7.42 | 1.61 | 22.84 |
| TMW-7 | 3/26/2002 | 4.90 | 63 | 8.05 | 1.74 | 23.30 |
| | 9/18/2002 | 3.78 | 90 | 7.50 | 1.92 | 24.39 |
| | 3/27/2003 | 6.06 | 151 | 6.61 | 1.61 | 23.51 |
| TMW-8 | 3/26/2002 | 2.99 | -52 | 7.85 | 1.64 | 23.60 |
| | 3/28/2003 | 12.51 | — | 7.06 | 1.65 | 23.10 |
| TMW-9 | 3/26/2002 | 6.21 | 36 | 8.15 | 1.29 | 23.40 |
| | 3/26/2003 | 5.66 | 124 | 7.45 | 1.52 | 23.64 |
| TMW-10 | 3/21/2002 | 5.14 | 26 | 7.17 | 1.54 | 23.85 |
| | 9/16/2002 | 4.14 | 52 | 7.31 | 1.89 | 24.64 |
| | 3/26/2003 | 5.34 | 66 | 7.08 | 1.57 | 23.54 |
| TMW-11 | 3/22/2002 | 2.27 | 56 | 6.92 | 1.81 | 23.60 |
| | 9/17/2002 | 2.76 | 63 | 7.08 | 1.92 | 25.07 |
| | 3/26/2003 | 4.46 | 54 | 7.05 | 1.65 | 23.72 |
| TMW-14 | 3/22/2002 | 5.26 | 38 | 6.79 | 3.30 | 23.43 |
| | 9/16/2002 | 5.52 | 77 | 7.04 | 3.41 | 24.68 |
| | 3/26/2003 | 5.57 | 64 | 6.97 | 3.40 | 23.81 |
| TMW-15 | 3/22/2002 | 3.29 | -83 | 7.16 | 0.94 | 23.78 |
| | 9/17/2002 | 4.49 | -5 | 7.44 | 1.40 | 24.94 |
| | 3/26/2003 | 4.34 | 7 | 7.22 | 1.17 | 24.32 |
| BL-3 | 3/26/2002 | 7.77 | 115 | 7.58 | 3.30 | 23.40 |
| | 3/27/2003 | 7.32 | 83 | 6.36 | 2.75 | 23.18 |
| XMW-09 | 3/21/2002 | 0.25 | 36 | 6.60 | 1.81 | 23.53 |
| XMW-19 | 3/22/2002 | 4.39 | 24 | 7.04 | 1.56 | 23.47 |
| | 3/28/2003 | 12.38 | 142 | 7.29 | 1.65 | 23.60 |

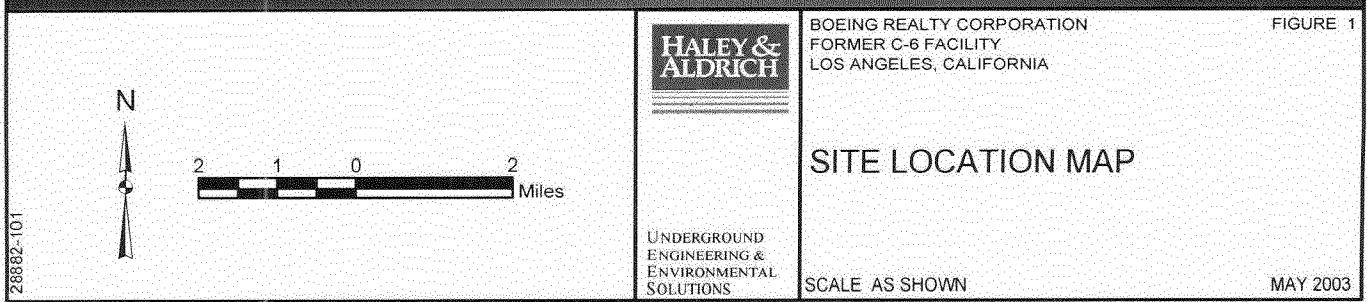
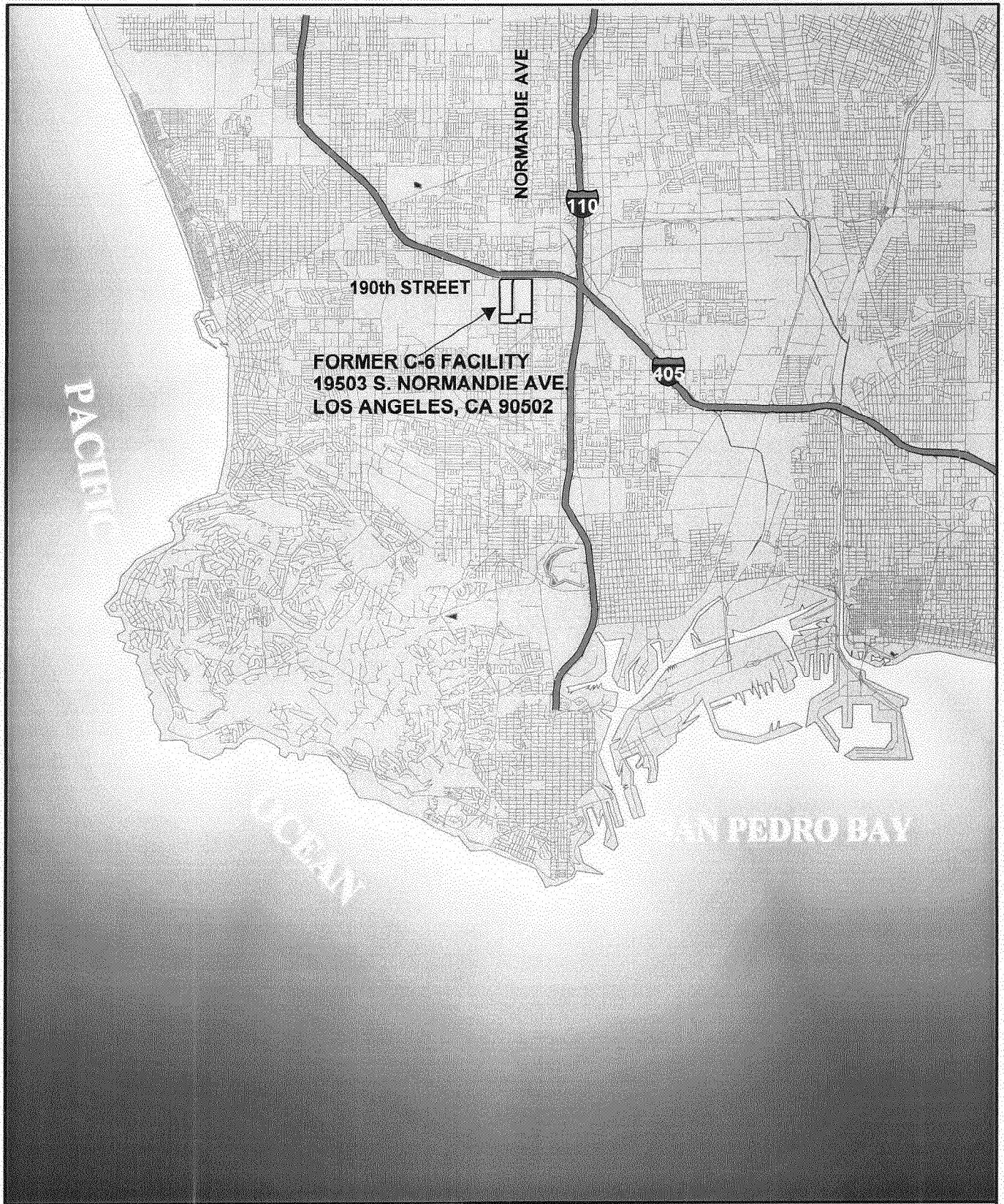
Notes:

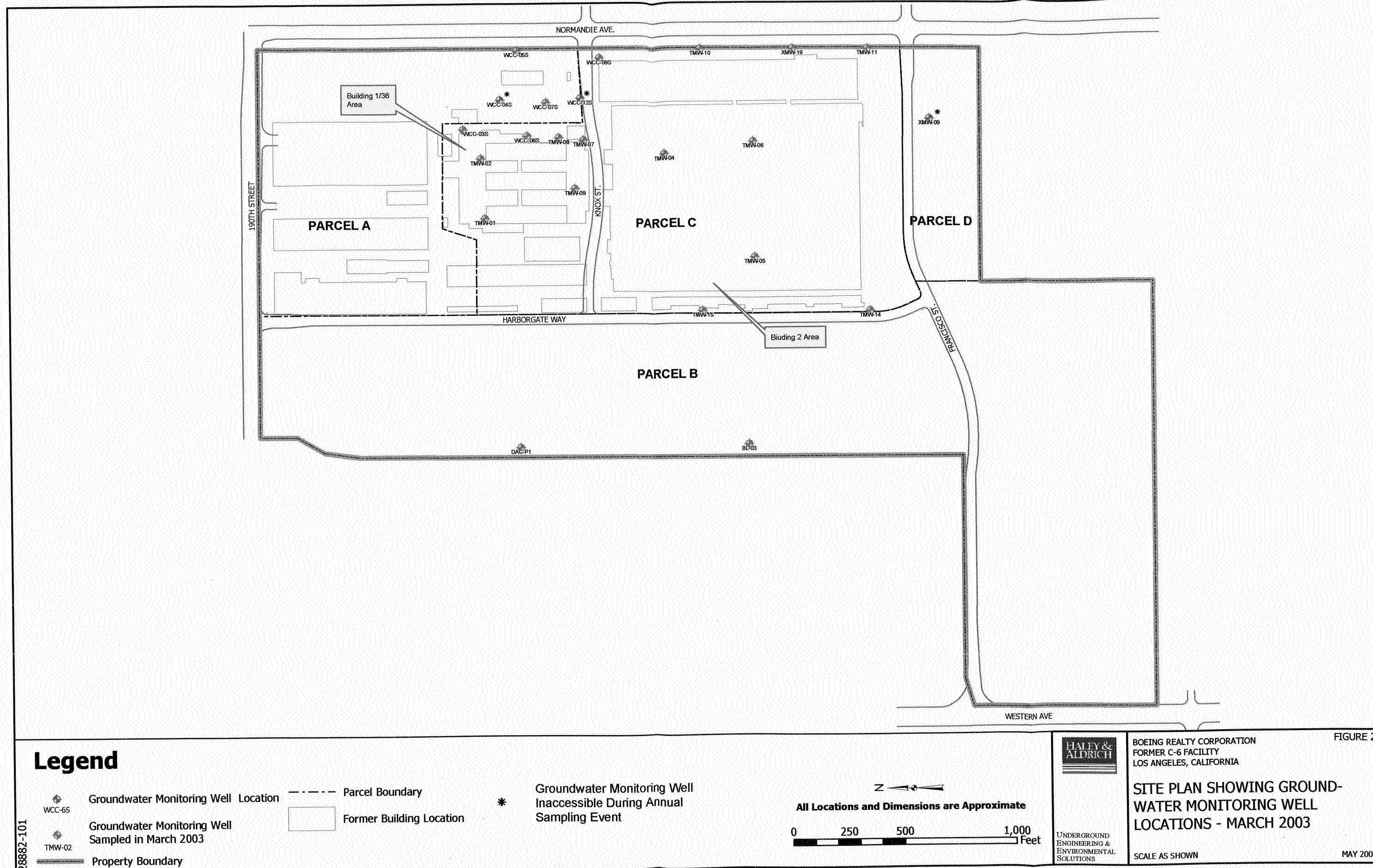
DO = Dissolved Oxygen
 ORP = Oxidation Reduction Potential
 mg/L = milligrams per liter
 mV = millivolts
 ms/cm = microsiemens per centimeter
 °C = Degrees celsius

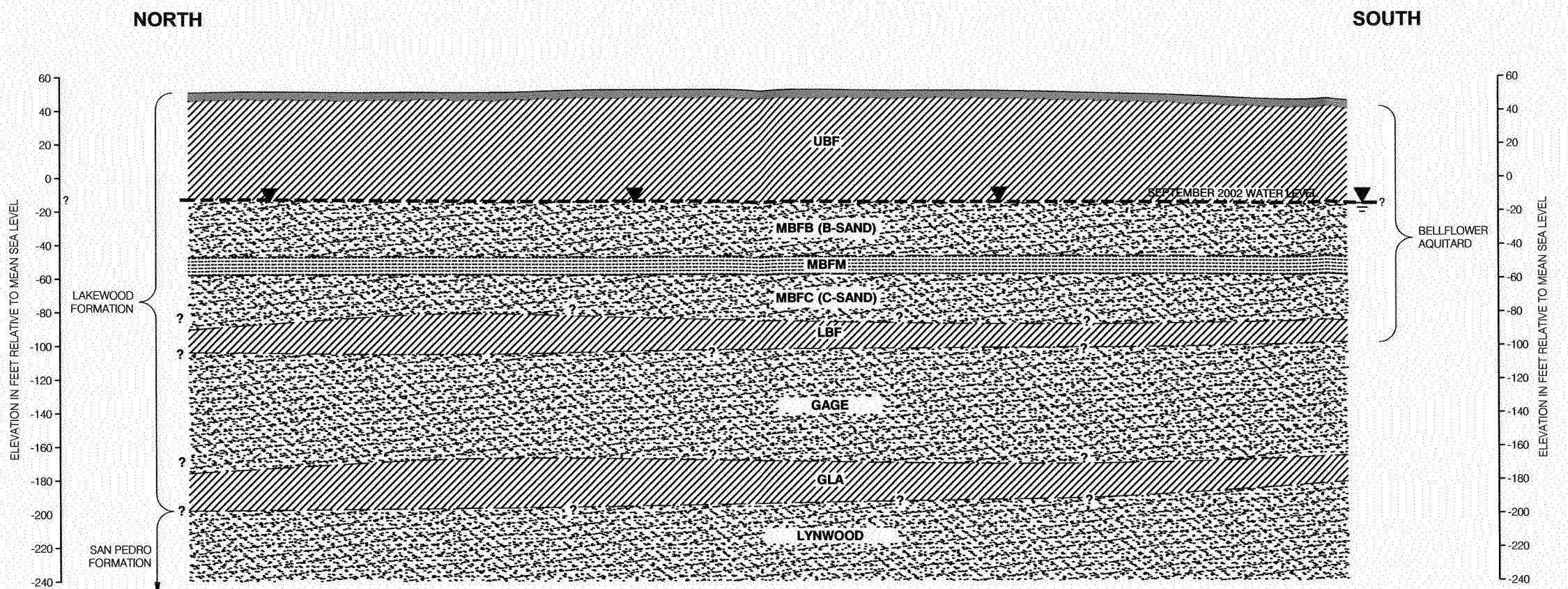
QA/QC: BB
 Date 5/27/03

Figures

FIGURES







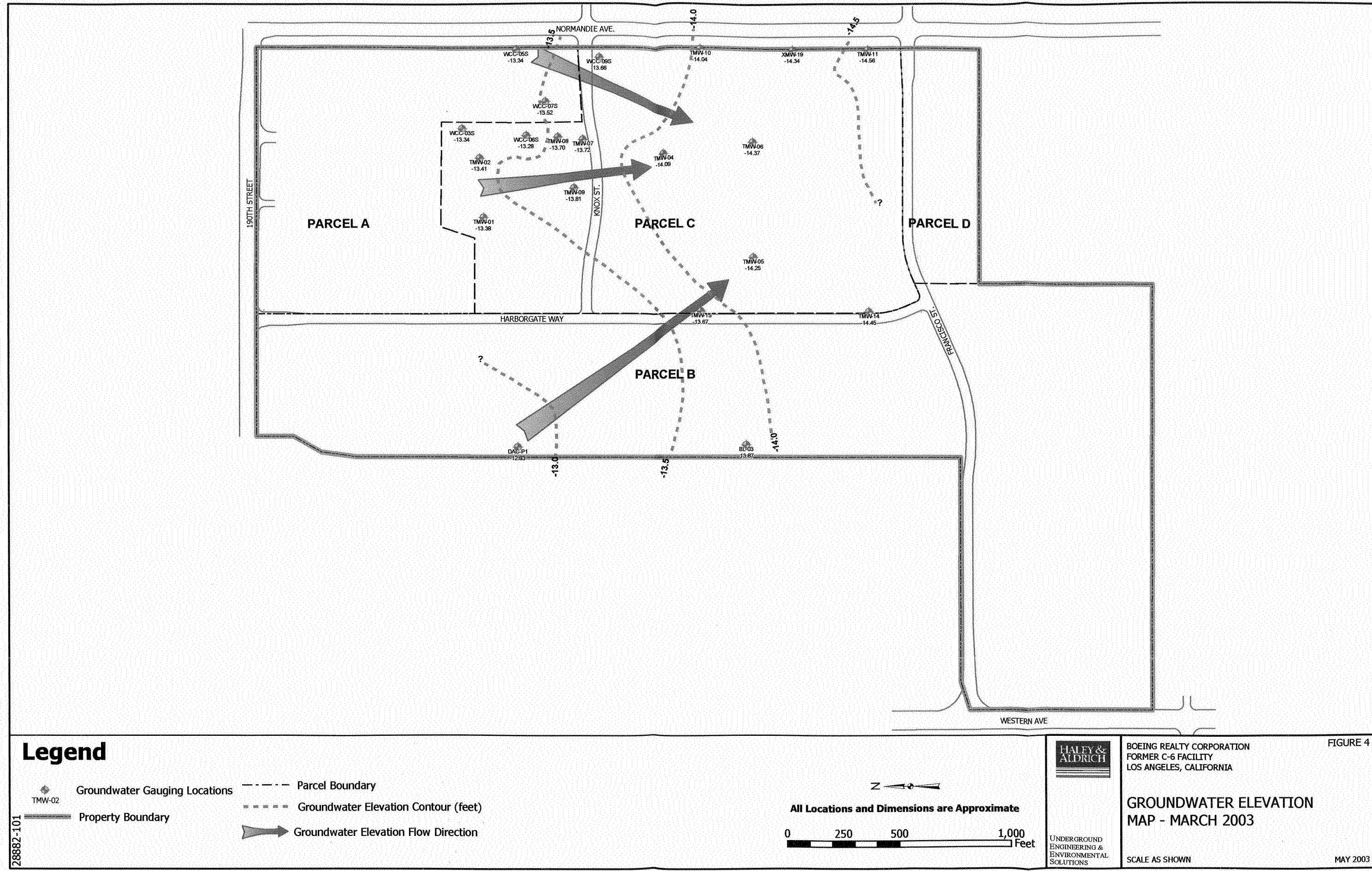


FIGURE 5a - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

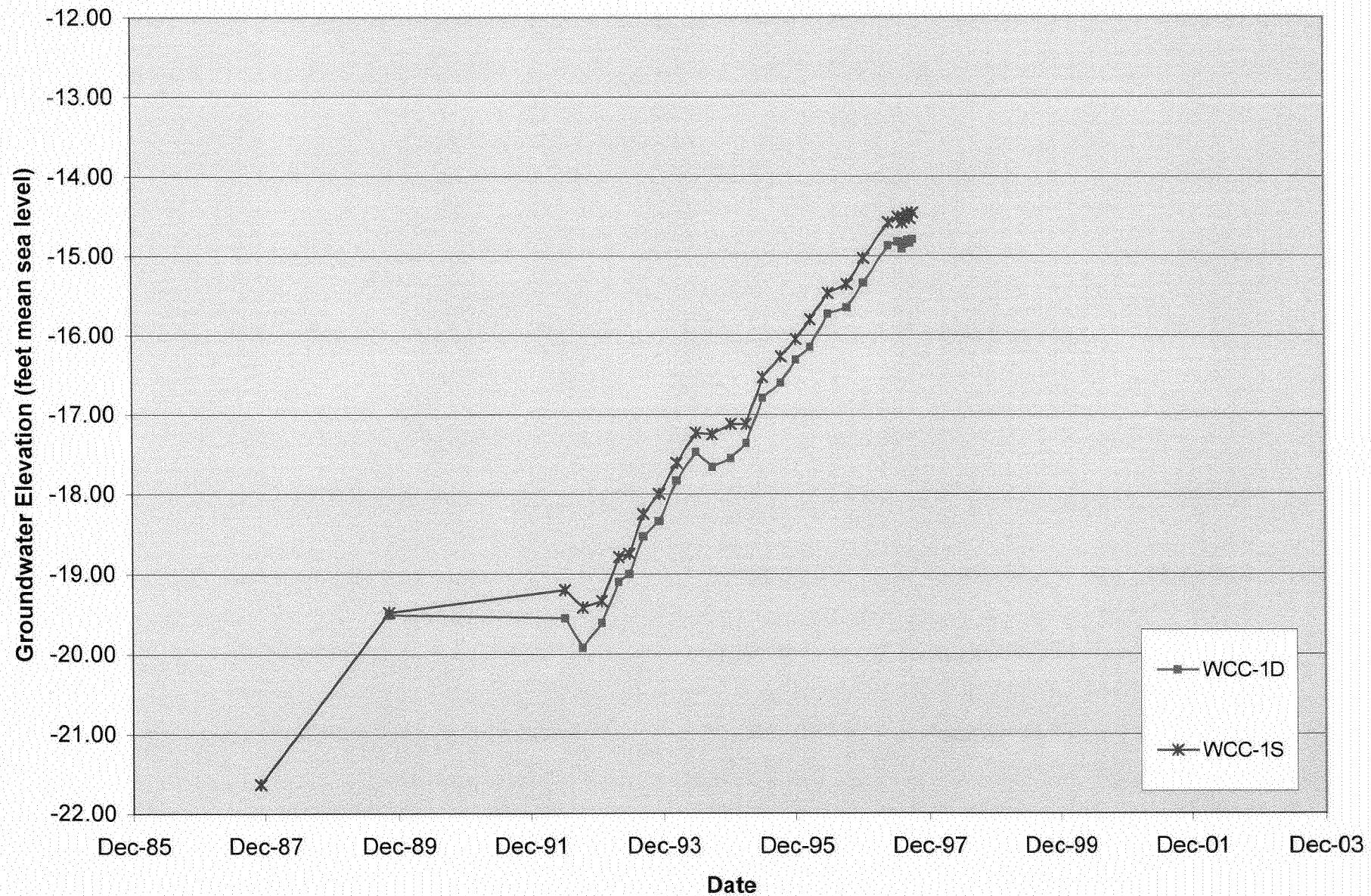


FIGURE 5b - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

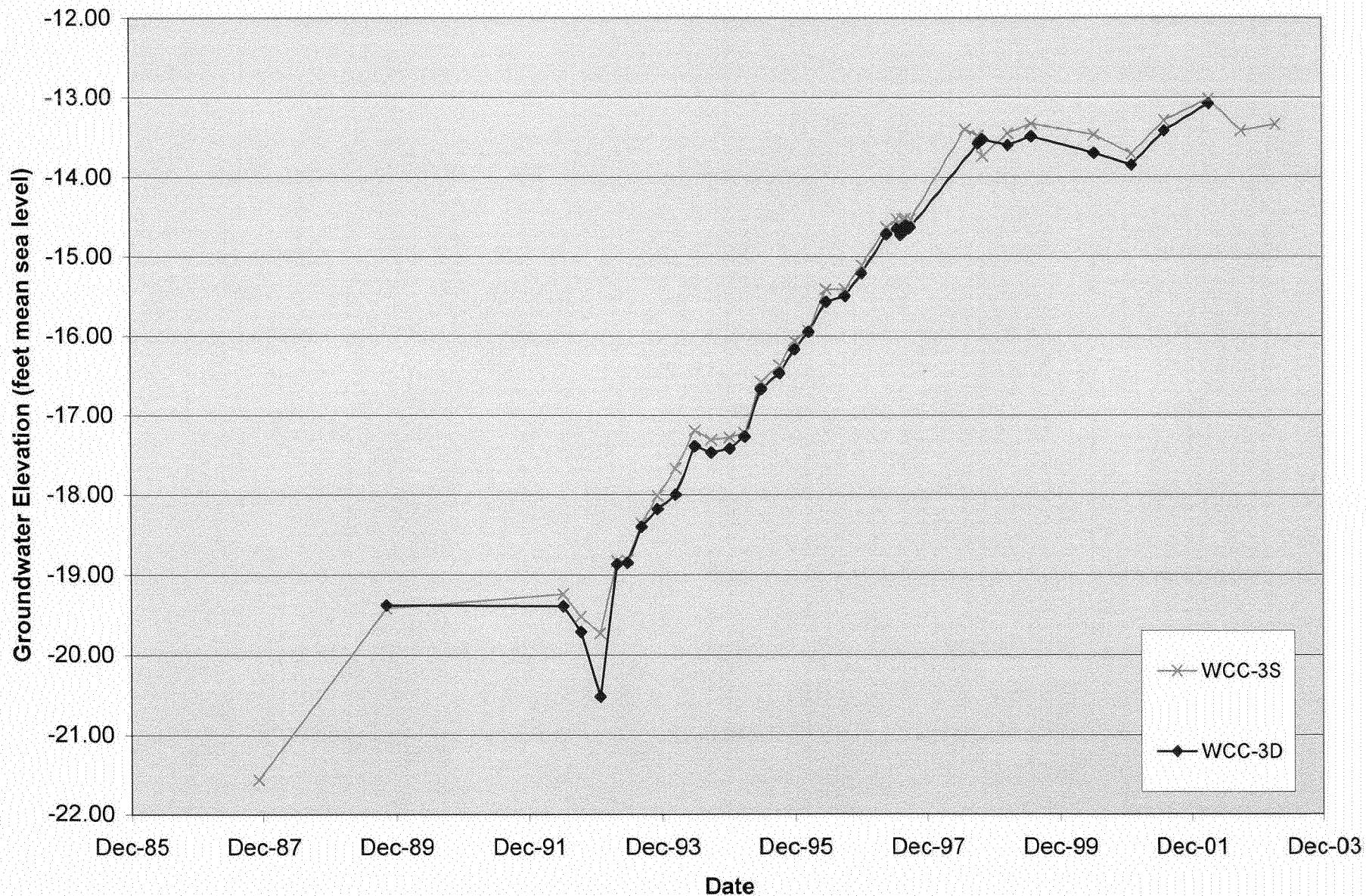


FIGURE 5c - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

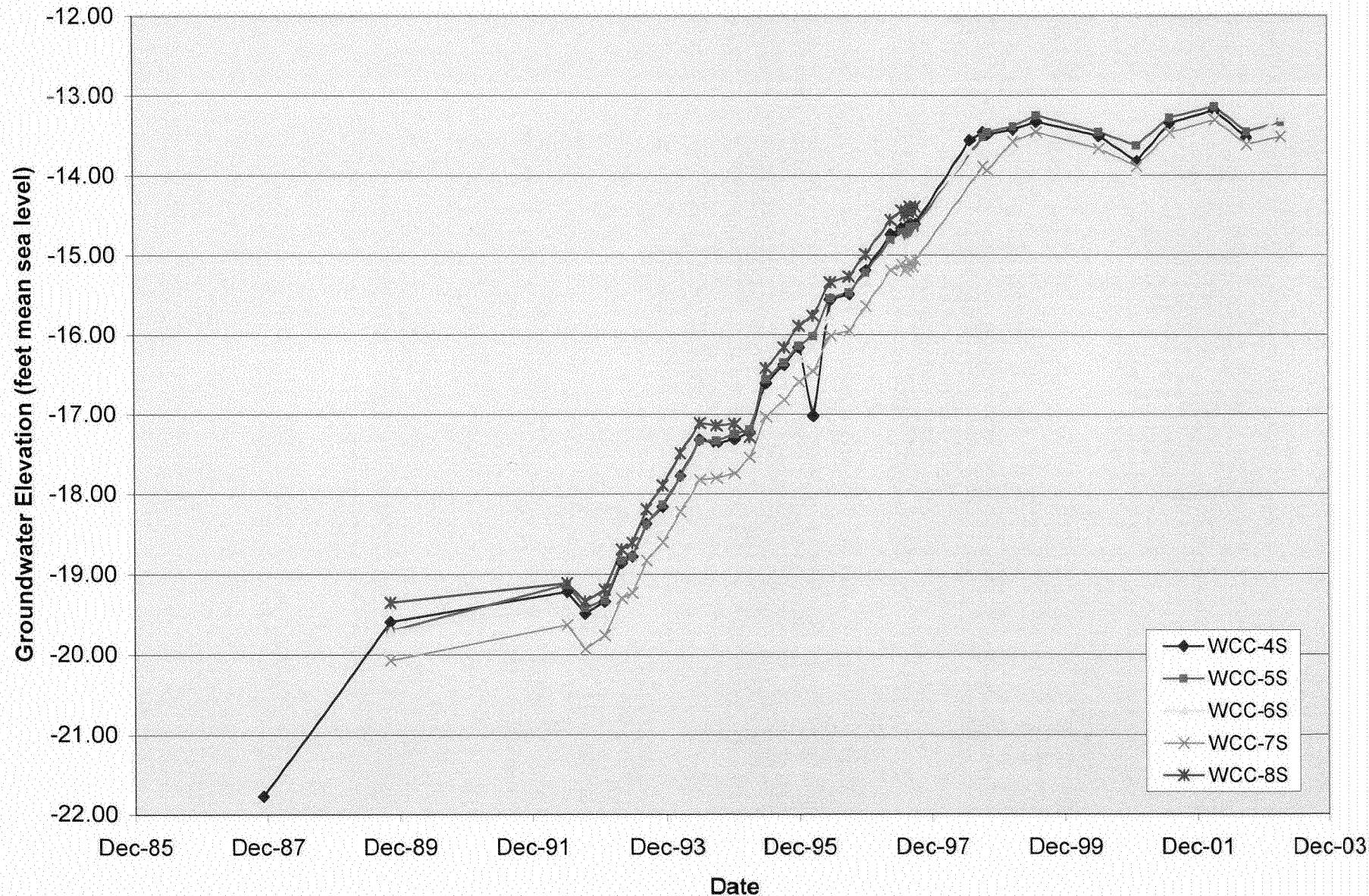


FIGURE 5d - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

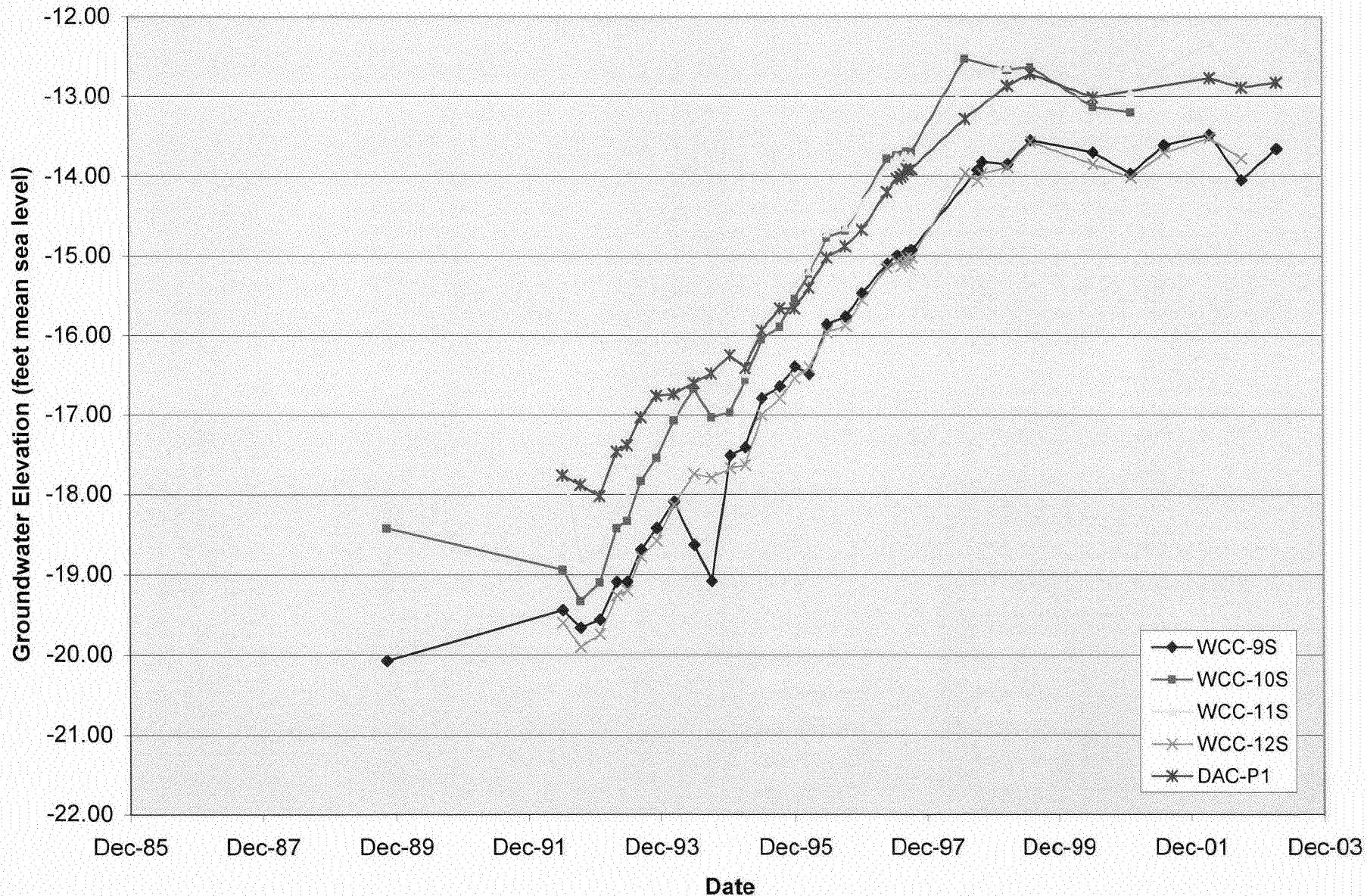


FIGURE 5e - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

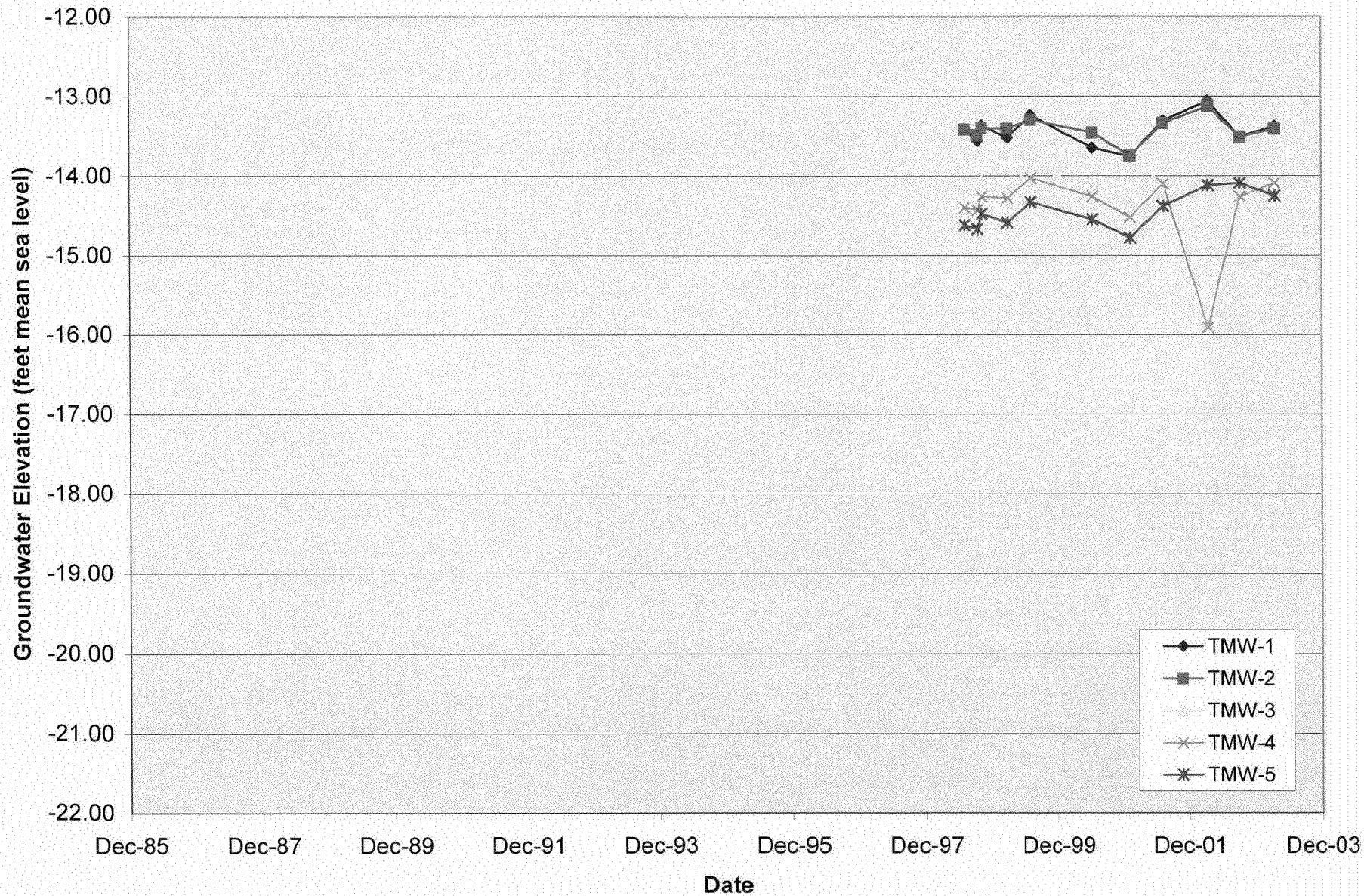


FIGURE 5f - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

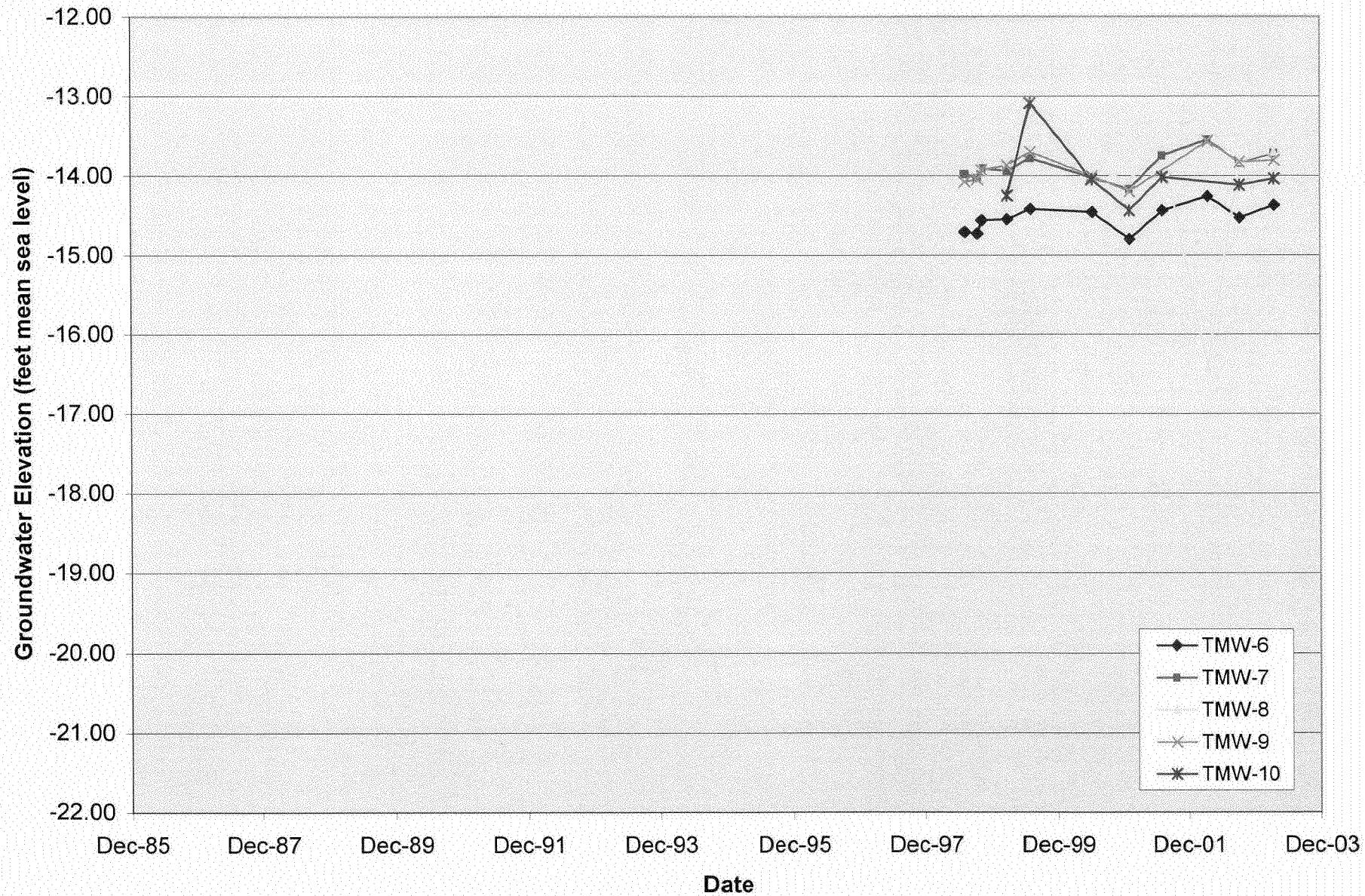


FIGURE 5g - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

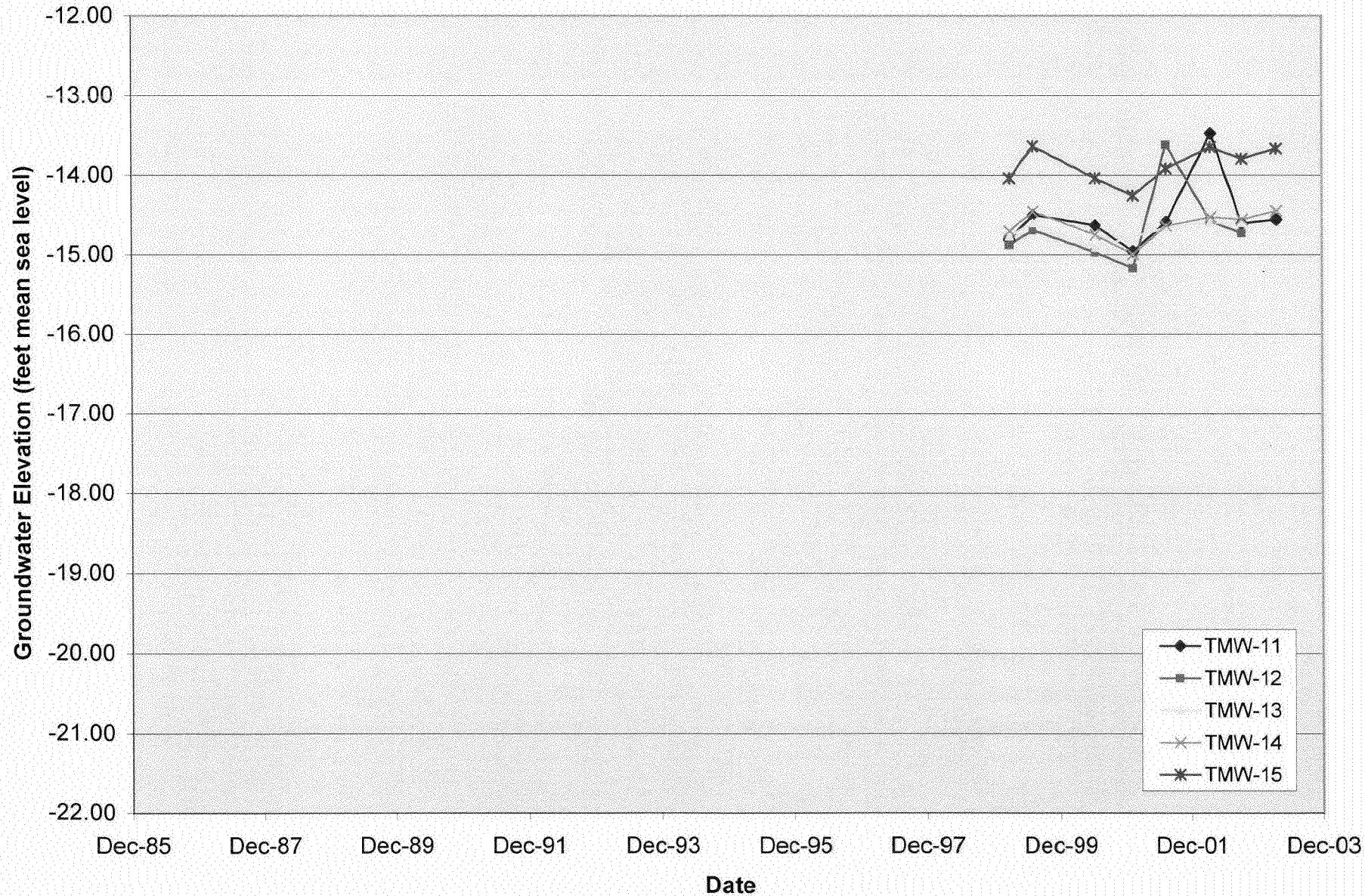


FIGURE 5h - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California

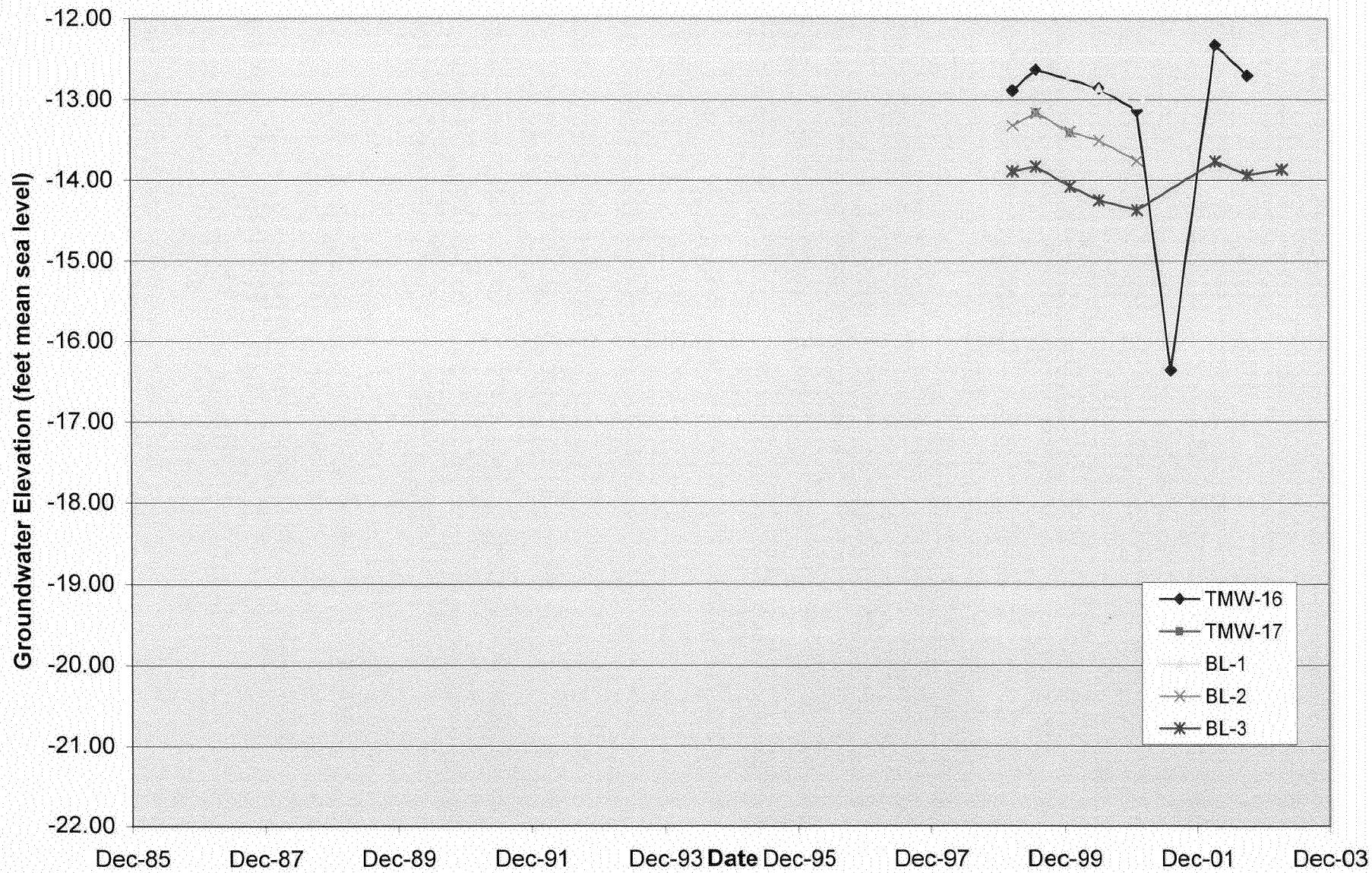
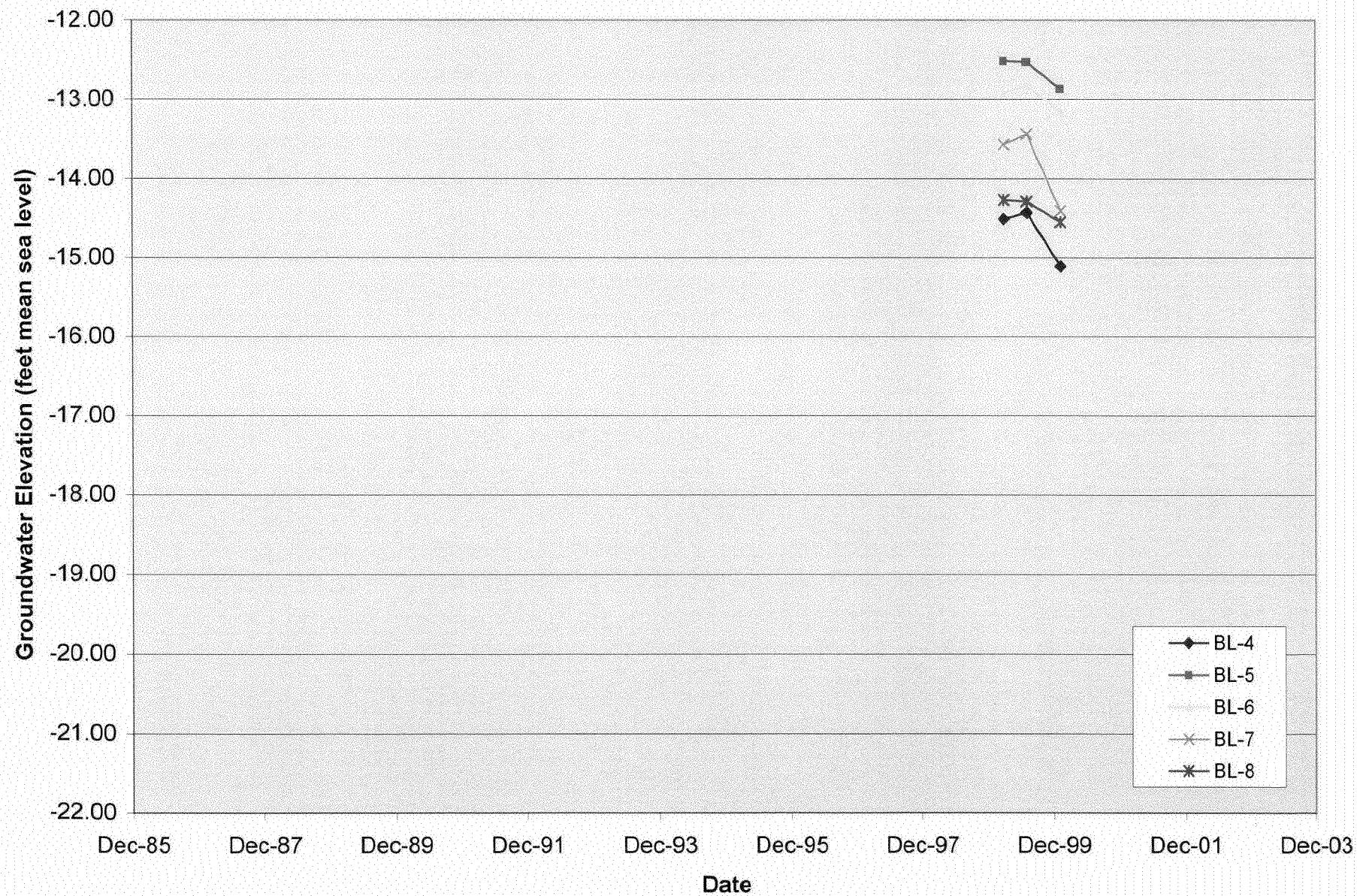


FIGURE 5i - Groundwater Elevation Hydrographs
Former C-6 Facility
Los Angeles, California



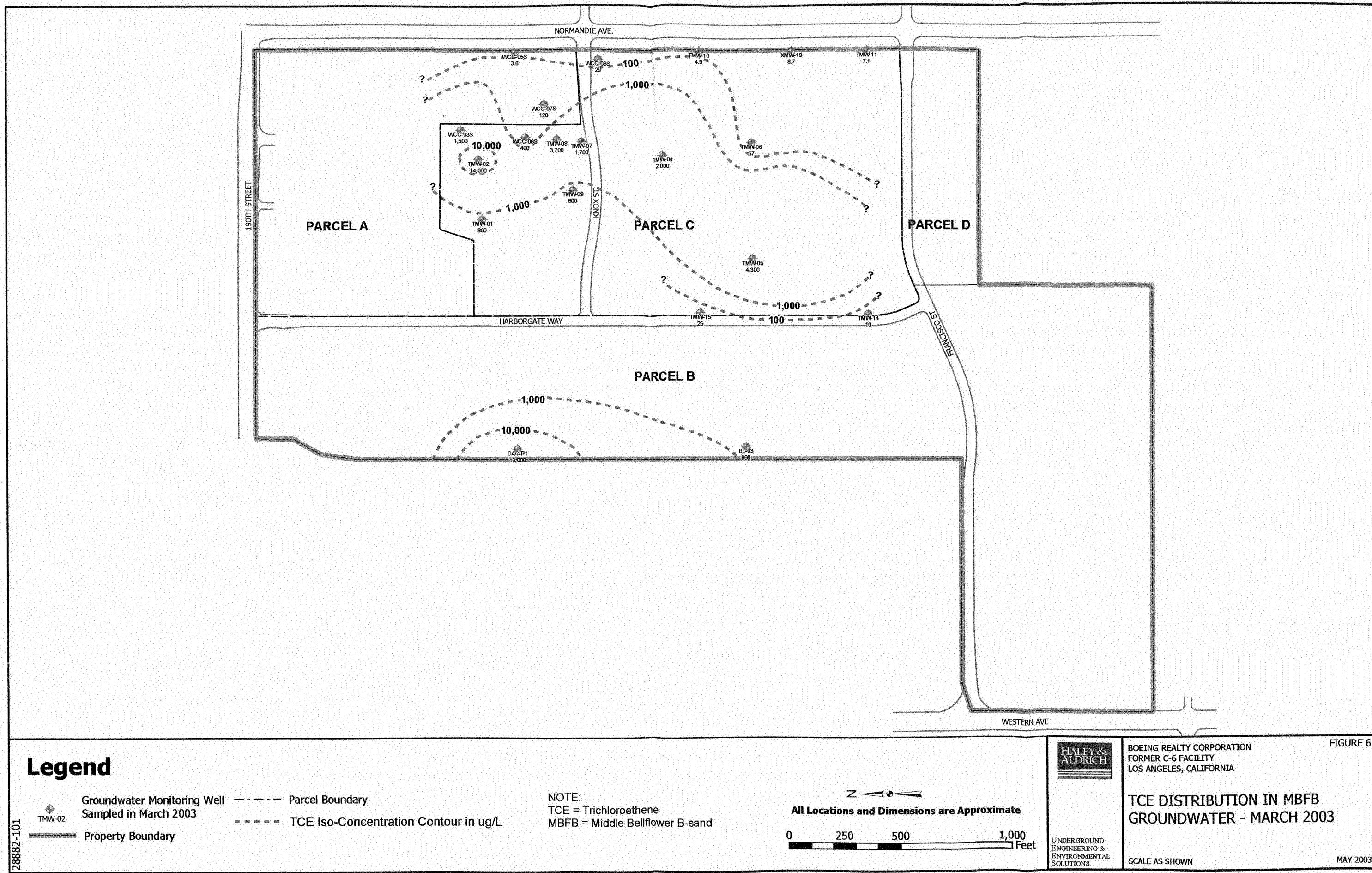


FIGURE 7a - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

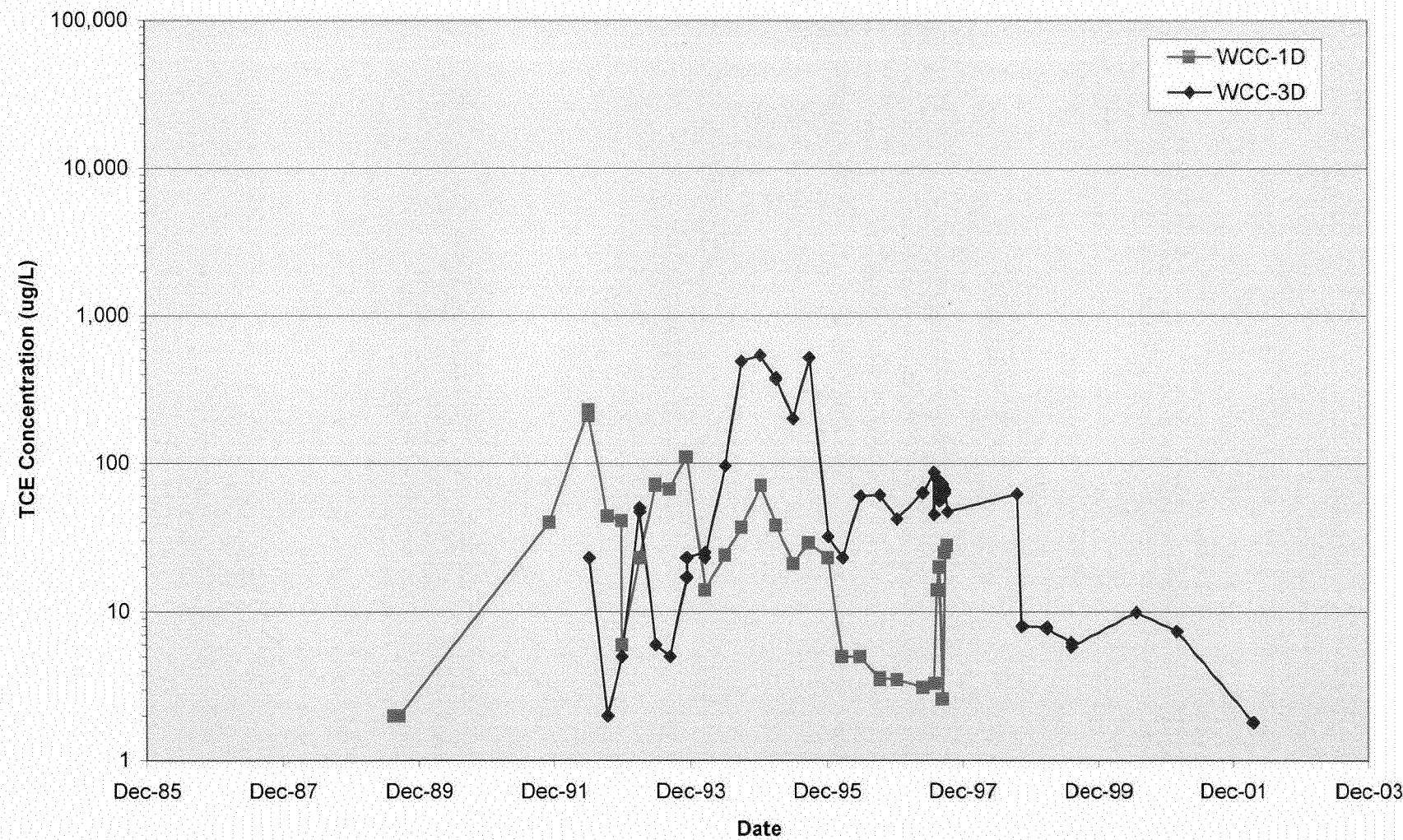


FIGURE 7b - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

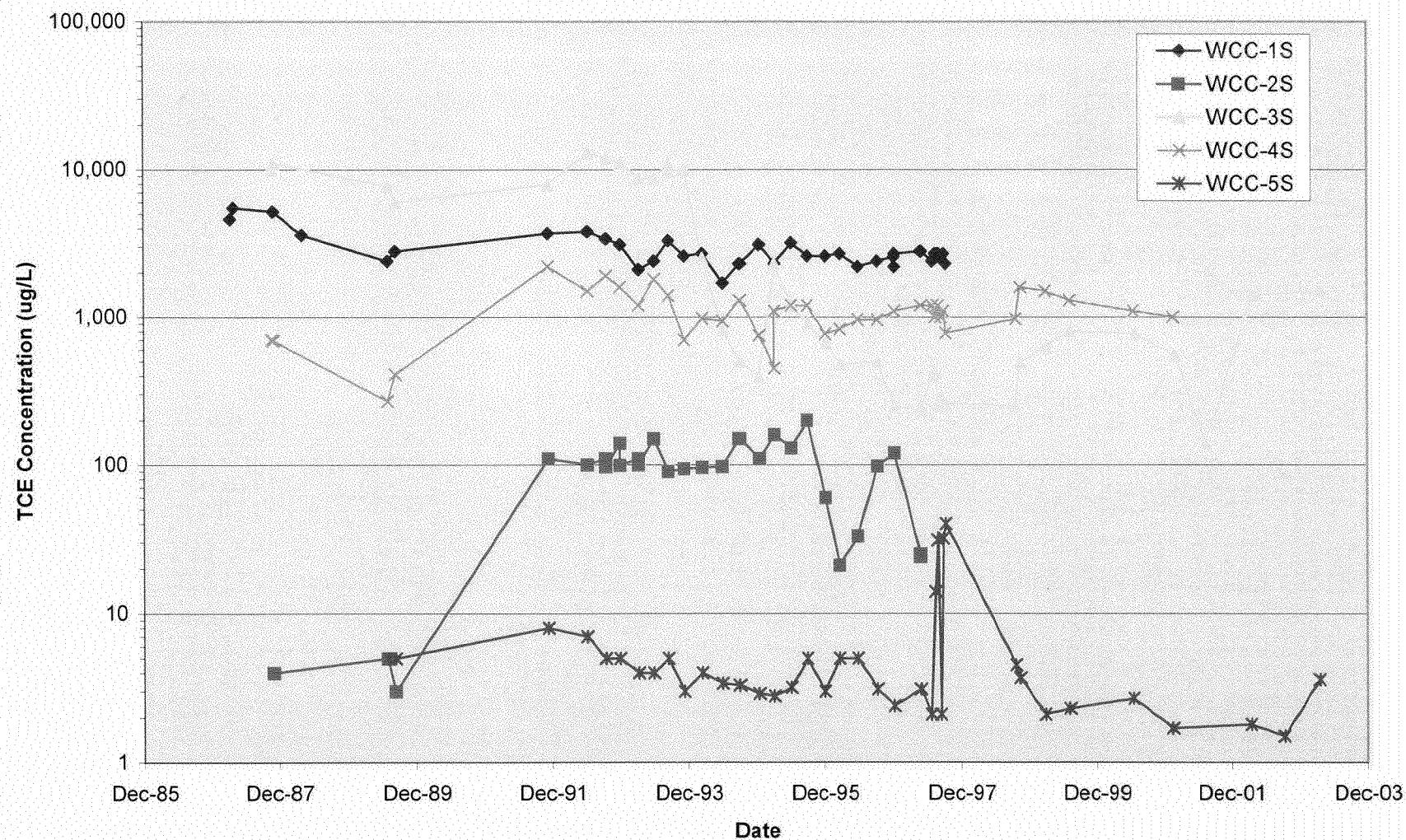


FIGURE 7c - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

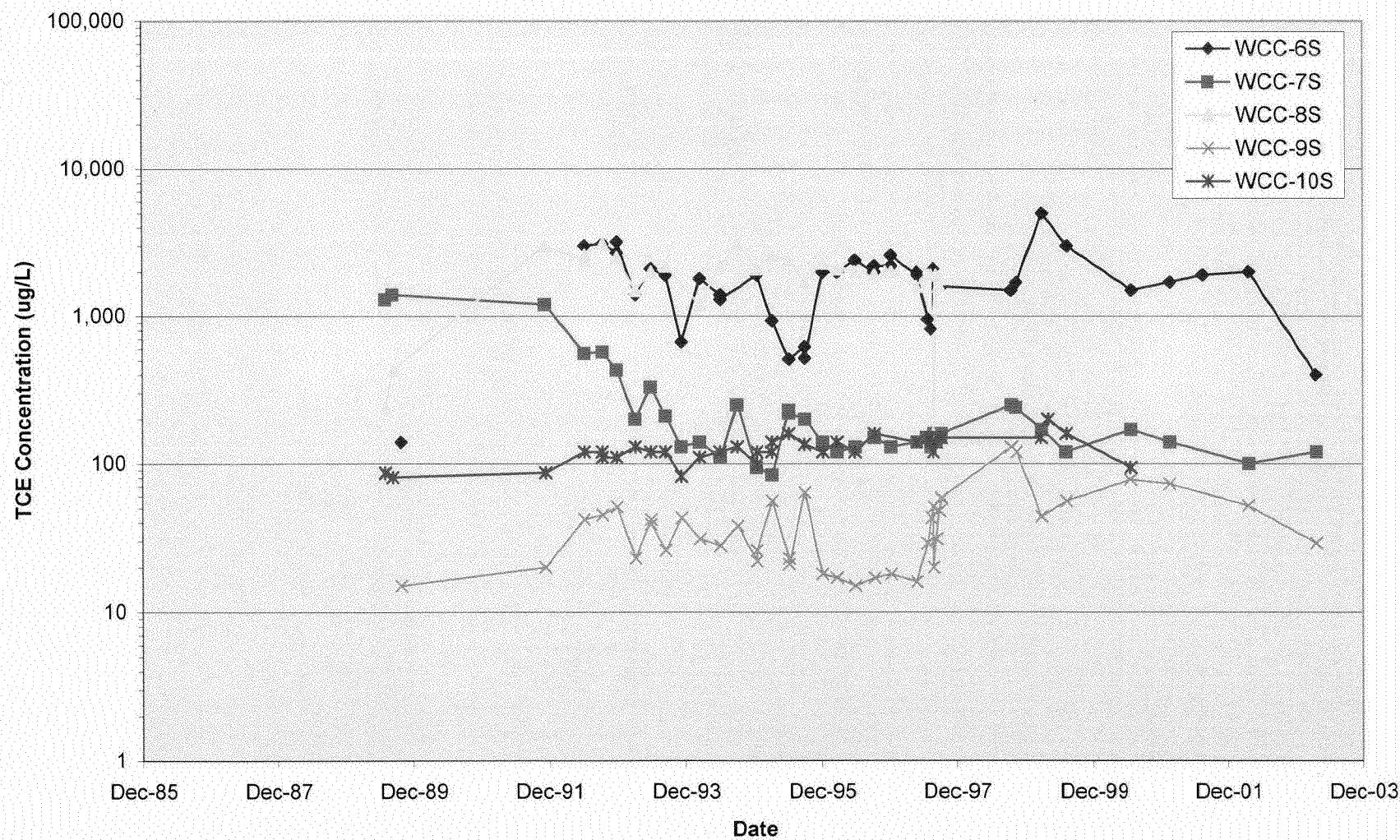


FIGURE 7d - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

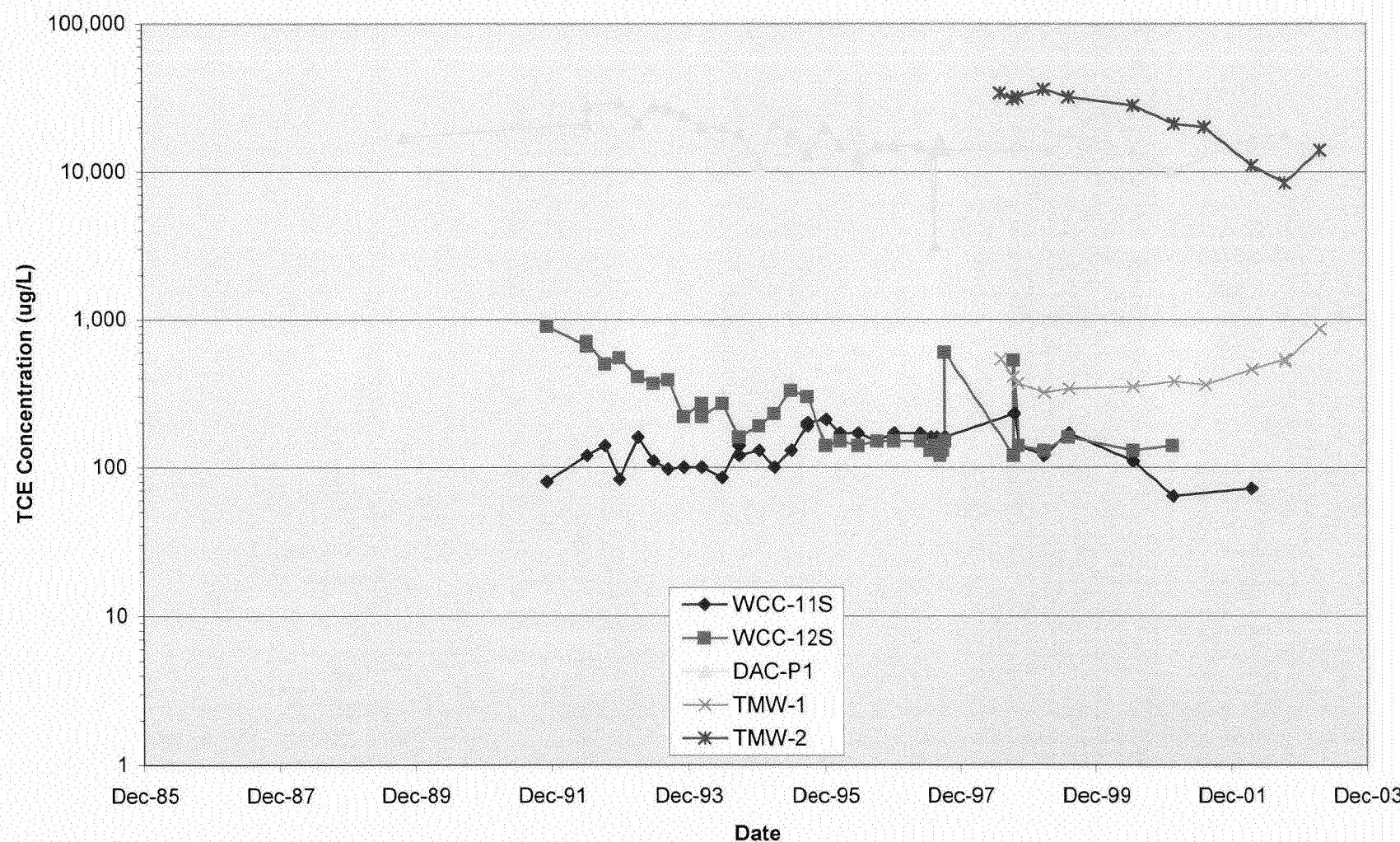


FIGURE 7e - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

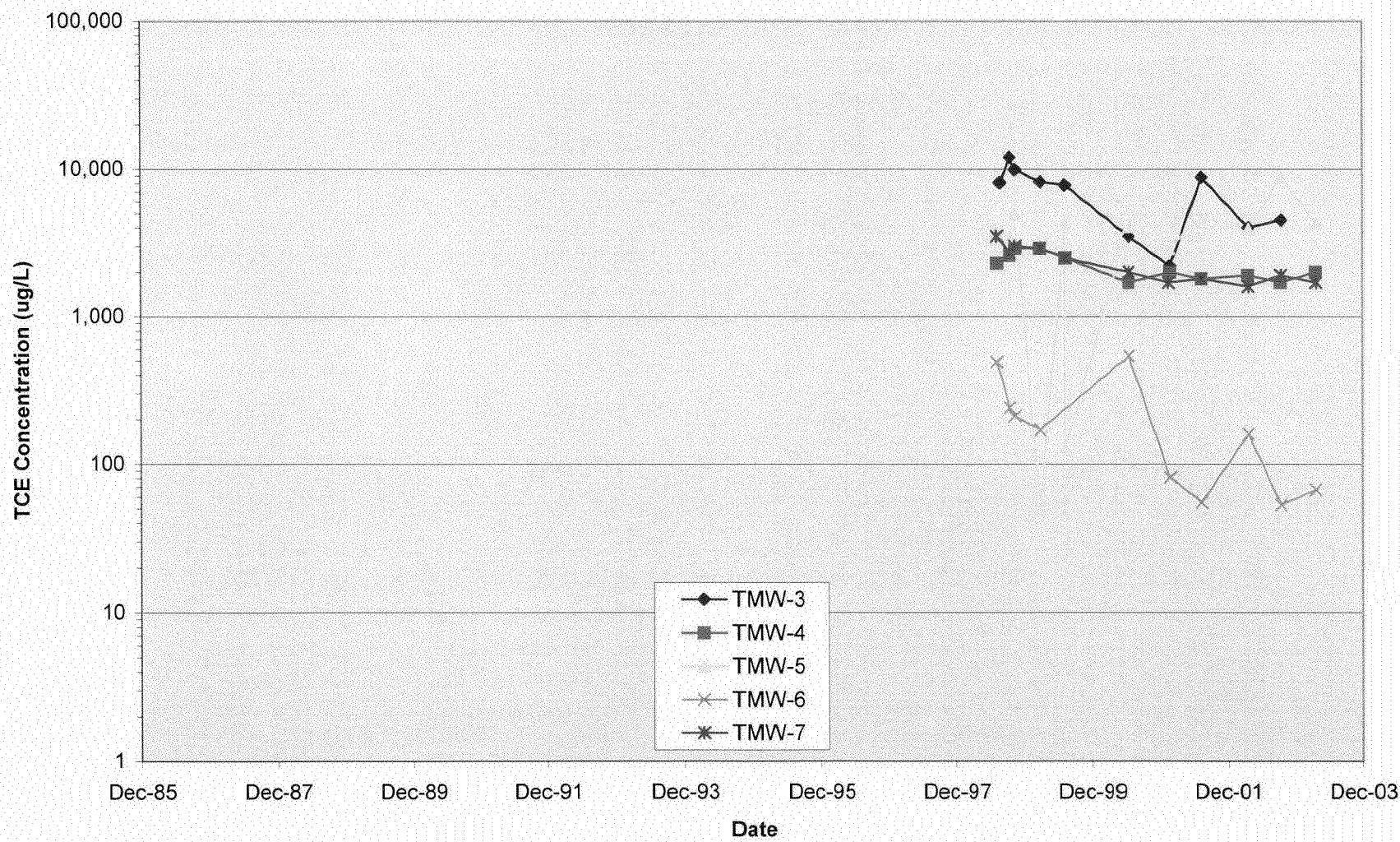


FIGURE 7f - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

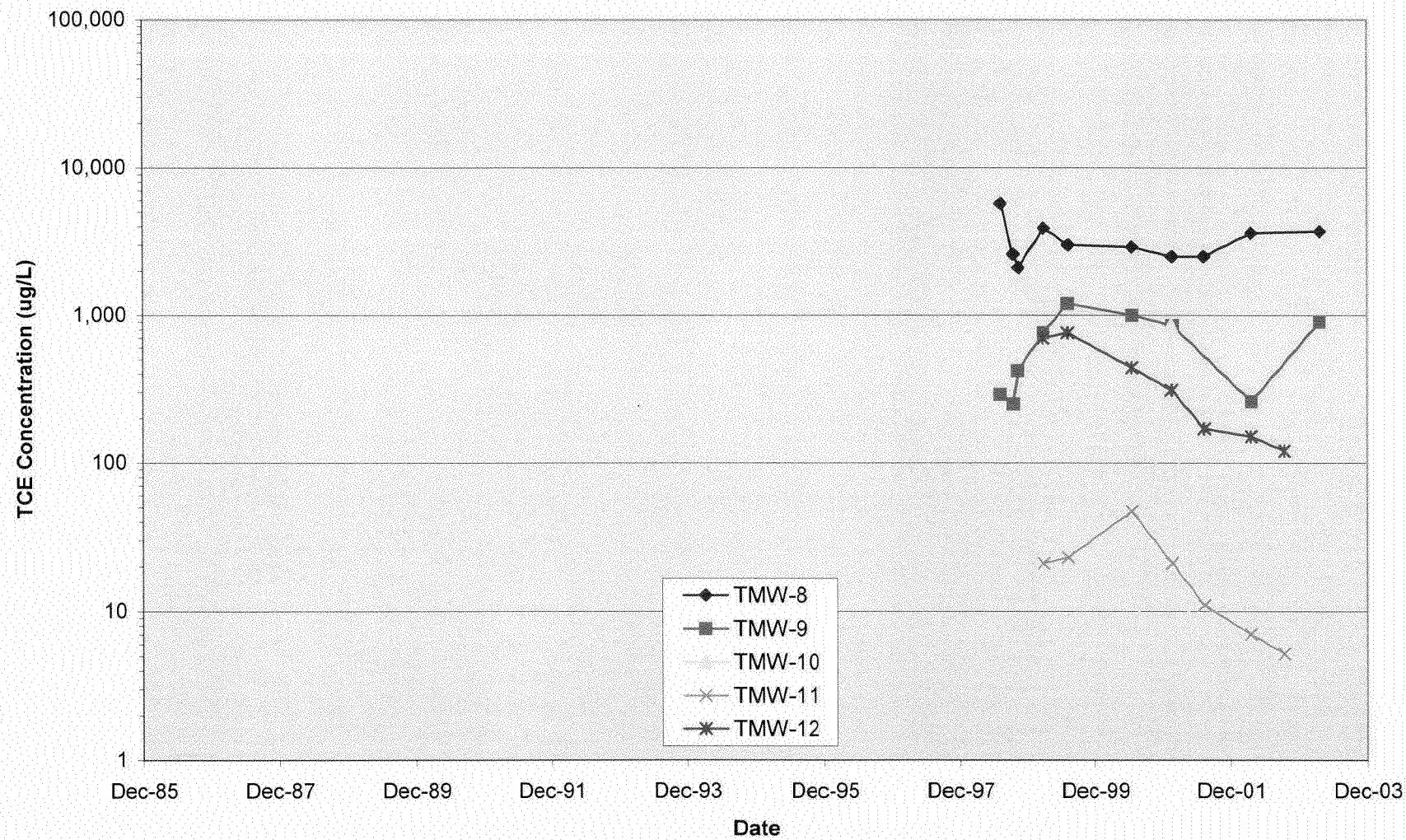
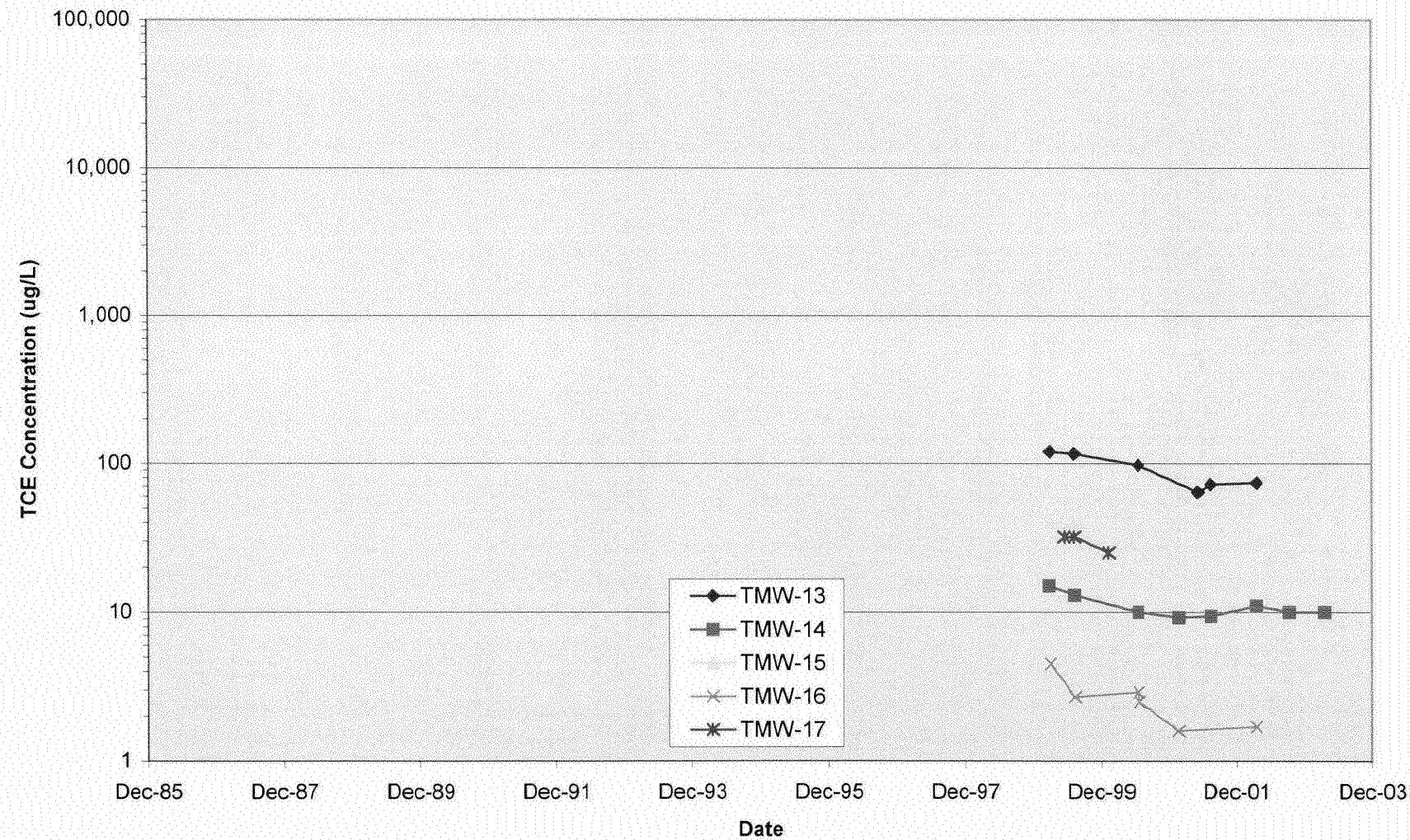
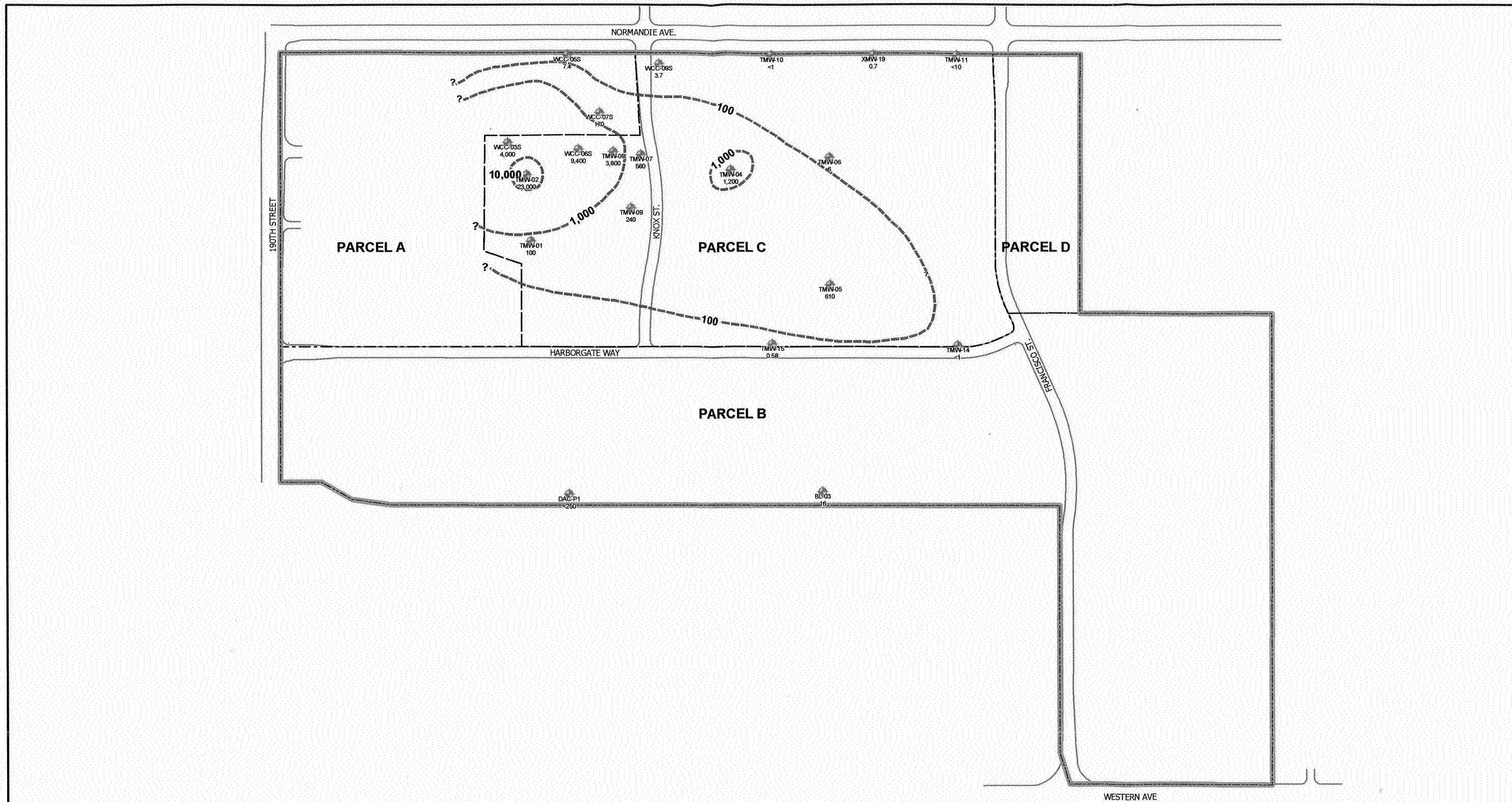


FIGURE 7g - TCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California





Legend

Groundwater Monitoring Well
Sampled in March 2003



— — — — — Parcel Boundary

Property Boundary

— — — — 1,1-DCE Iso-Concentration Contour in ug/L

NOTE:
1,1-DCE = 1,1- Dichloroethene
MBFB = Middle Bellflower B-Sand

All Locations and Dimensions are Approximate

0 250 500 1,000 Feet



BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

1,1-DCE DISTRIBUTION
IN MBFB GROUNDWATER
MARCH 2003

SCALE AS SHOWN

FIGURE 8

MAY 2003

FIGURE 9a - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

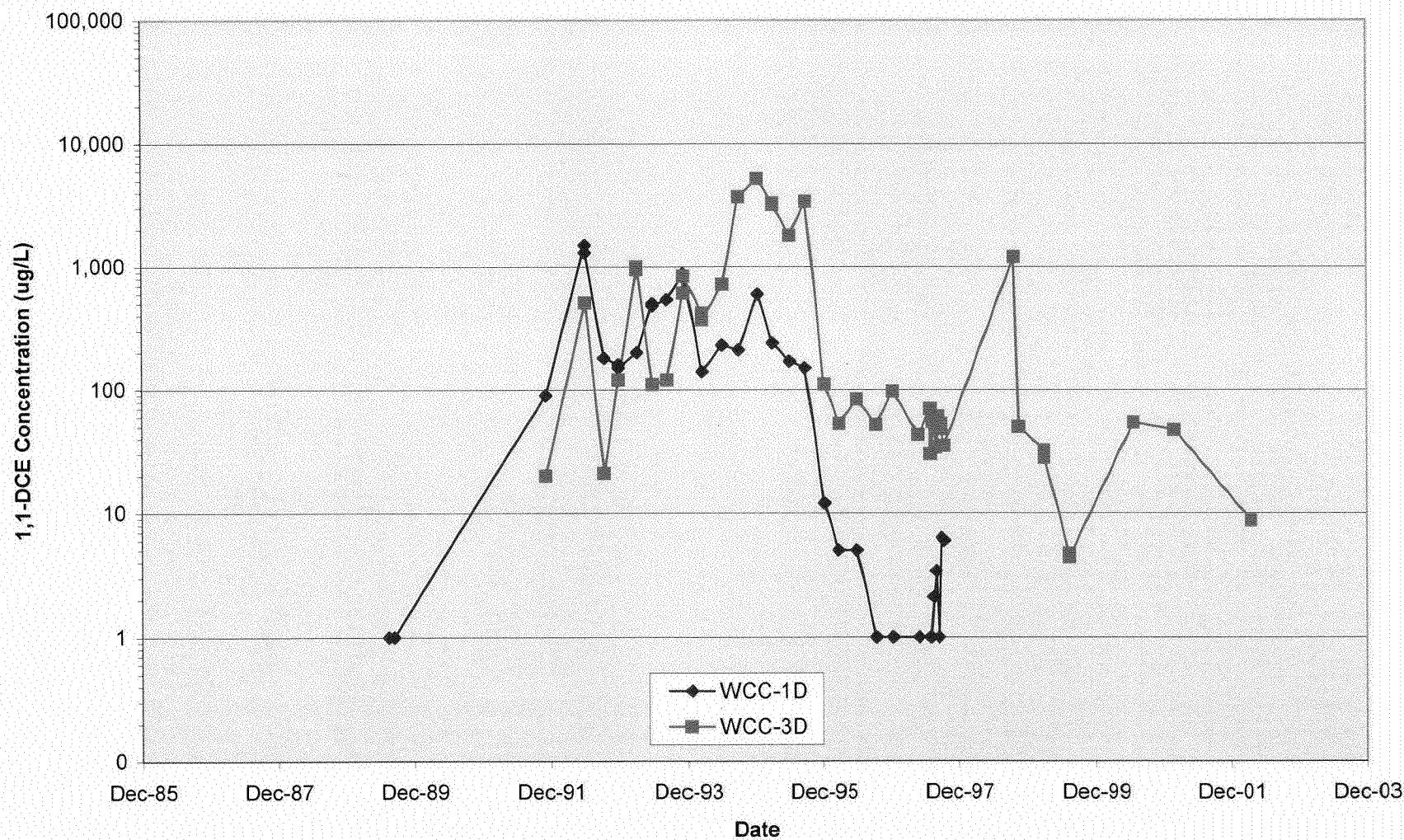


FIGURE 9b - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

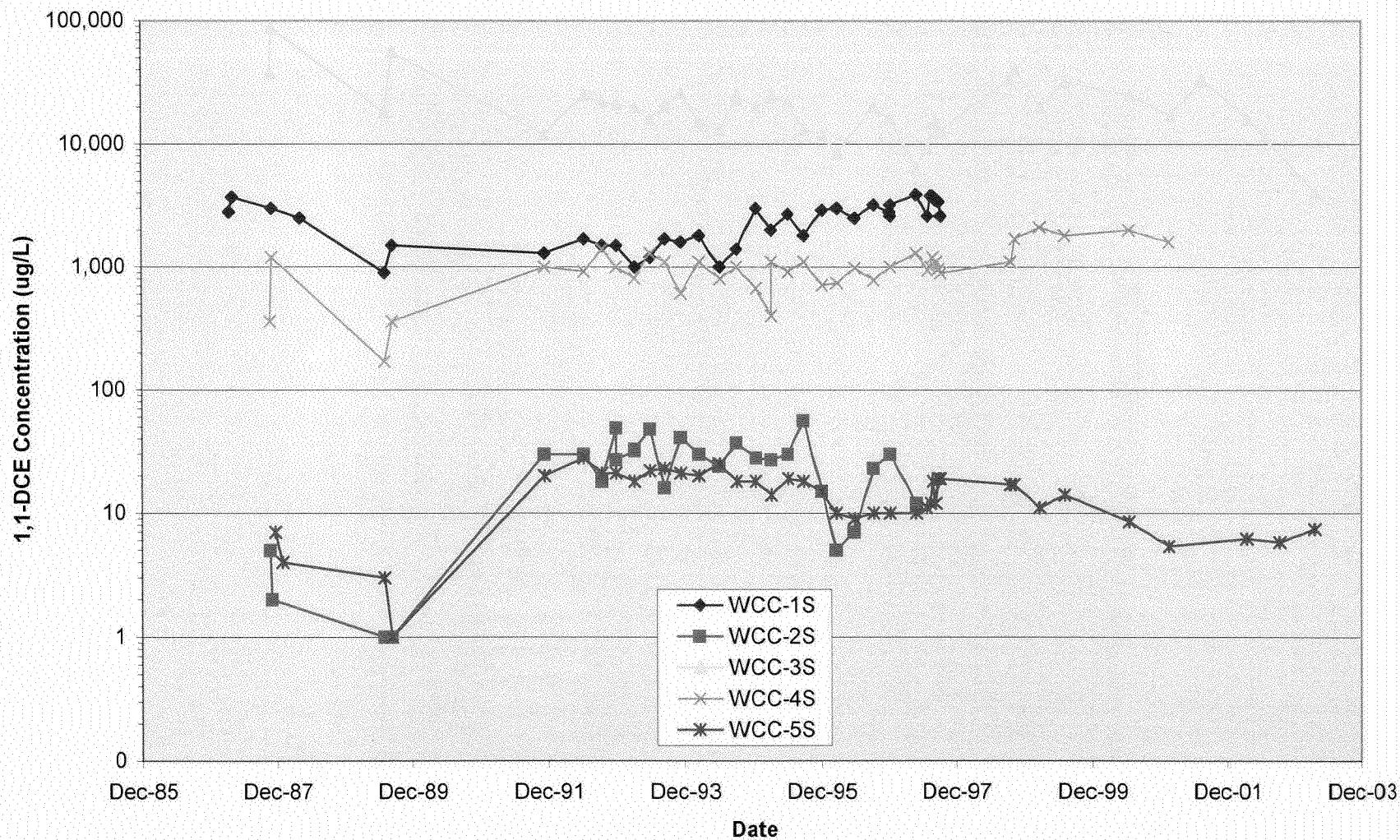


FIGURE 9c - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

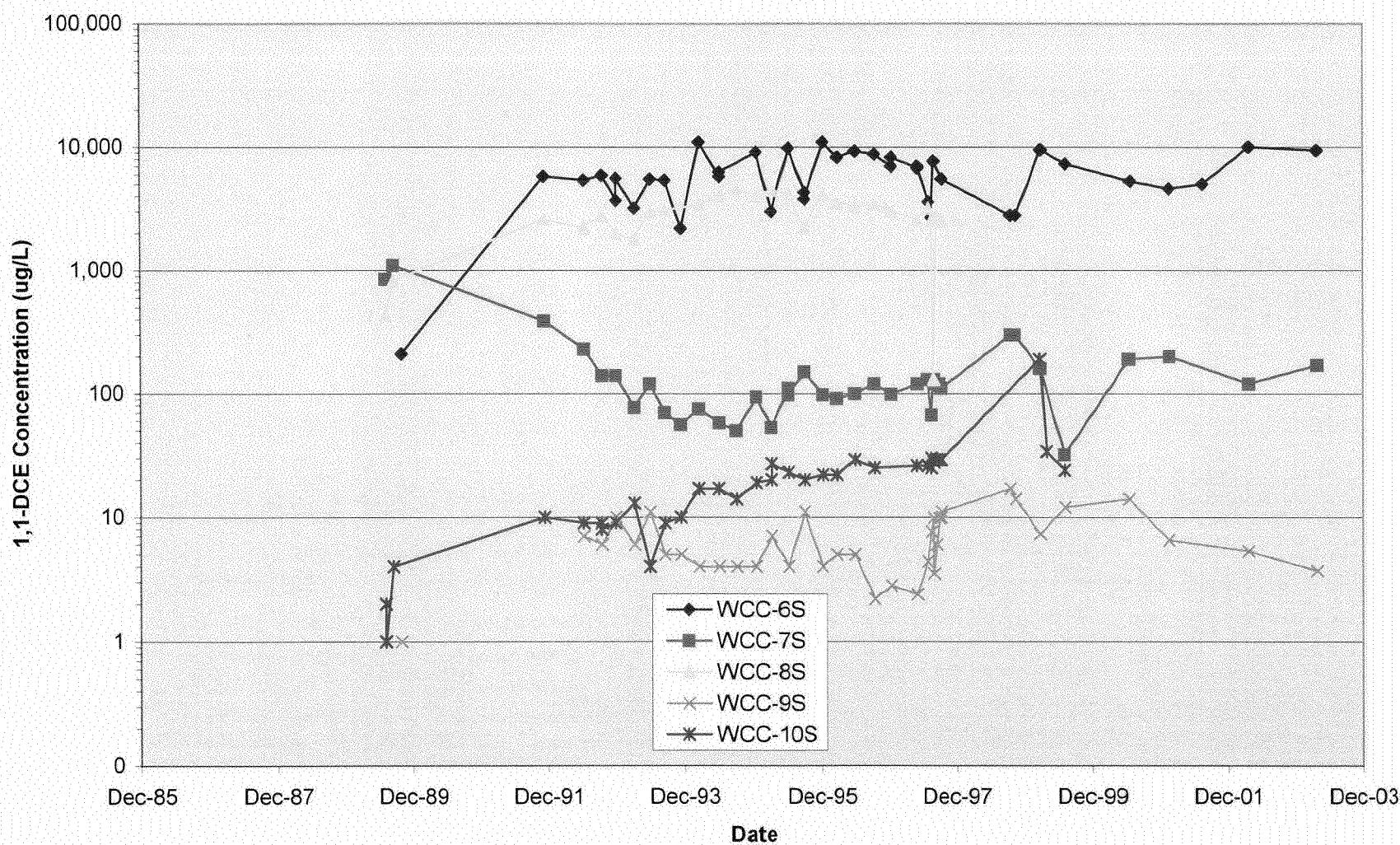


FIGURE 9d - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

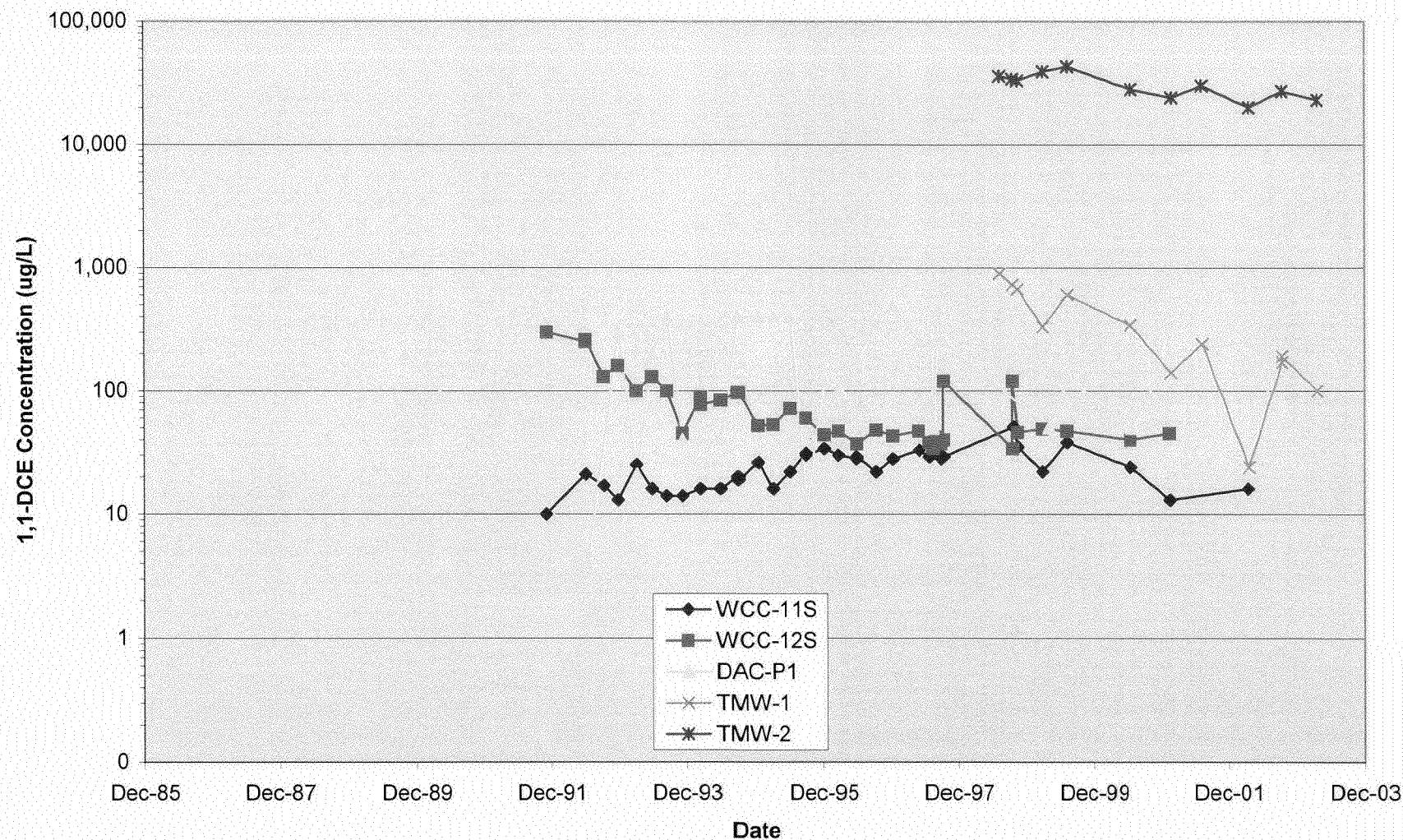


FIGURE 9e - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

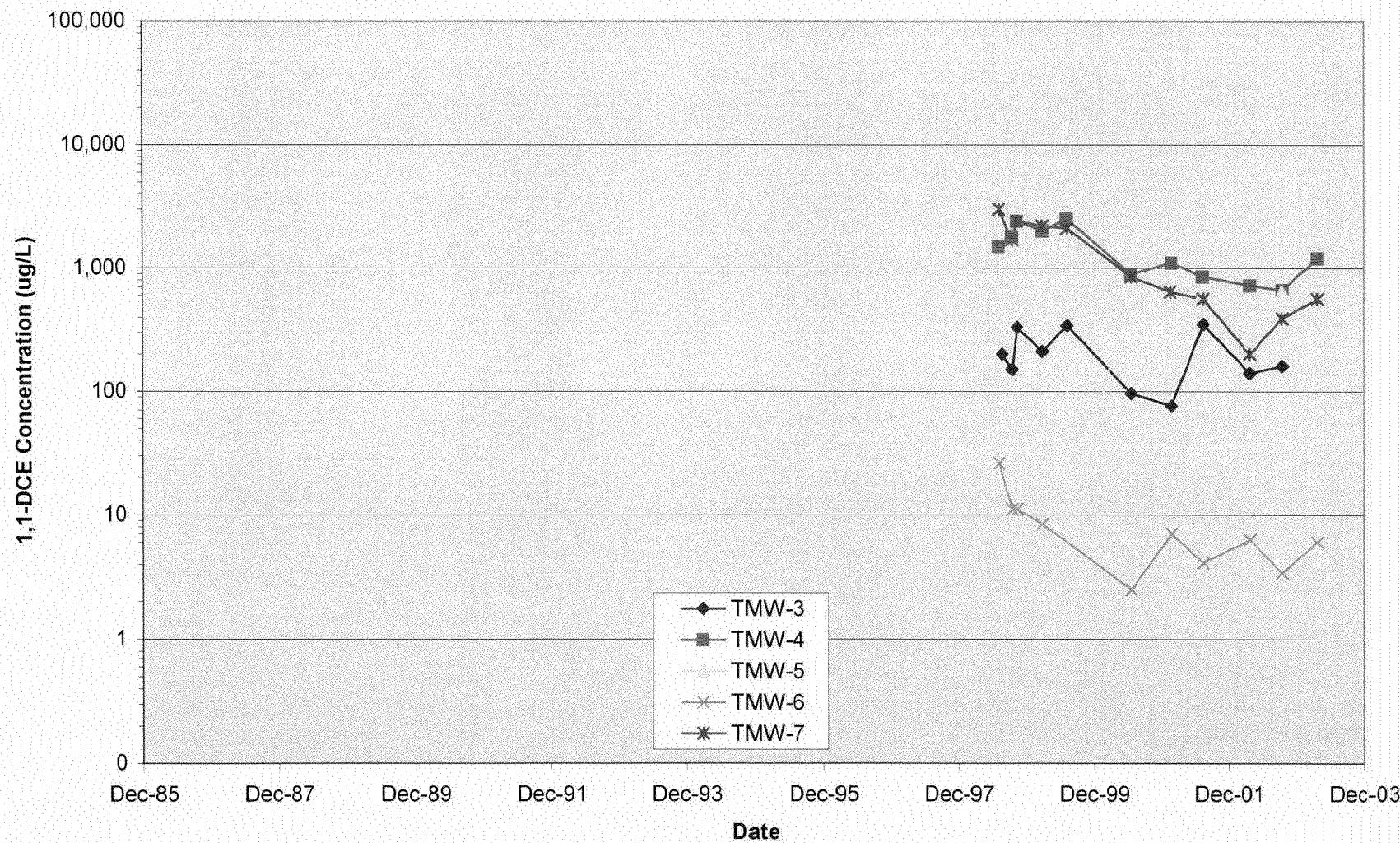


FIGURE 9f - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California

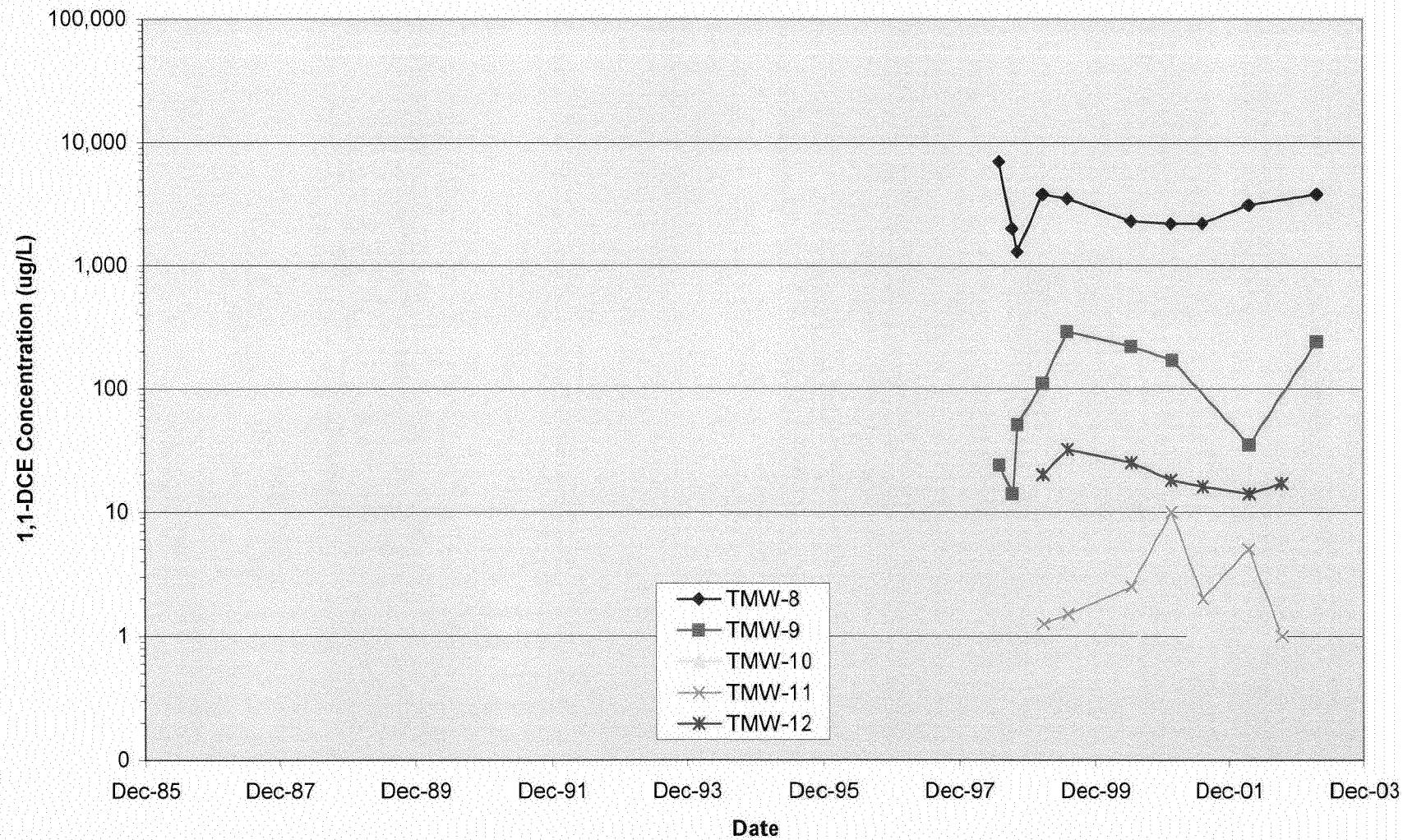
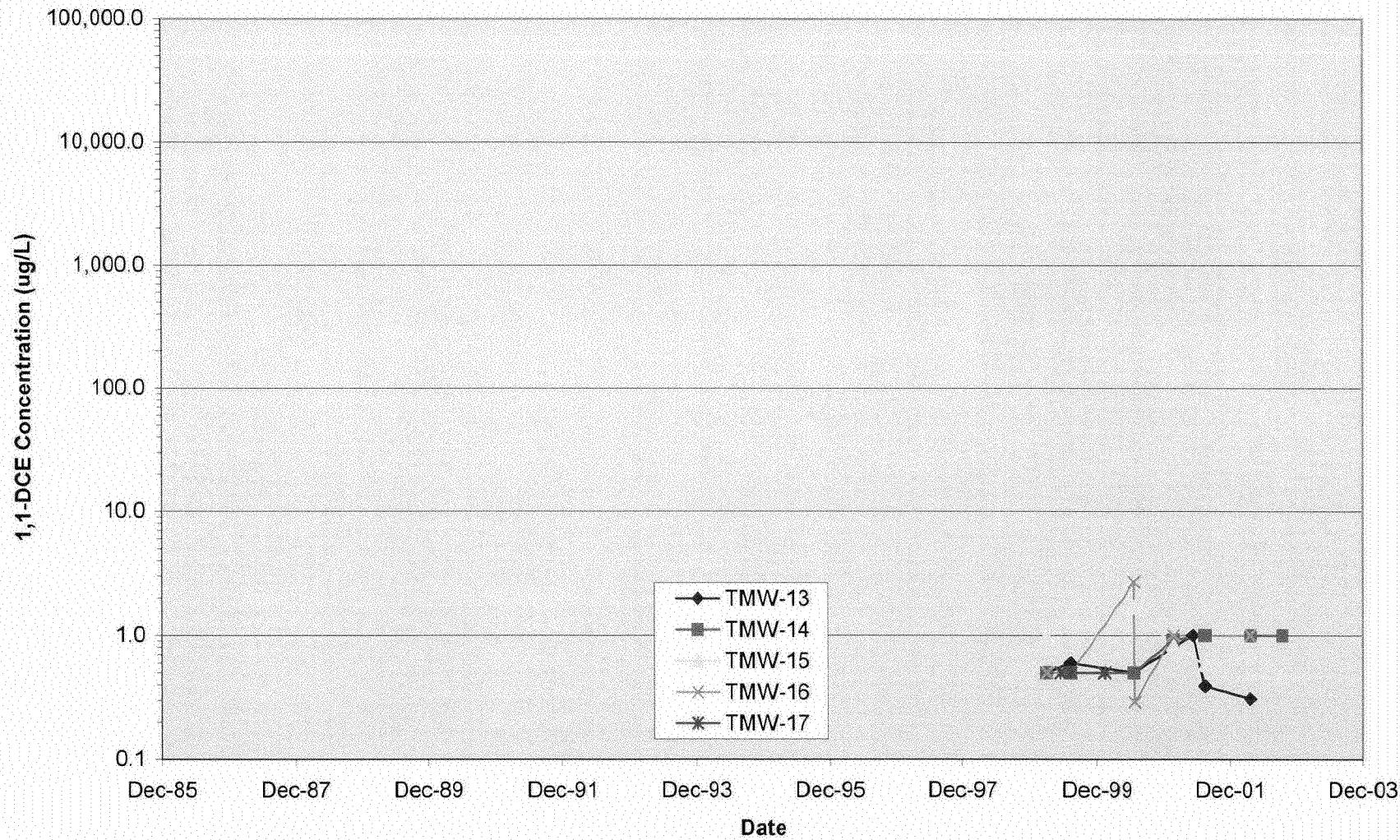


FIGURE 9g - 1,1-DCE Concentration vs. Time
Former C-6 Facility
Los Angeles, California



Appendix A

APPENDIX A

Field Data

**March 2003 Annual Groundwater Monitoring
Field Data Report**

The Boeing Realty Corporation
Former C-6 Facility
Torrance, California

Prepared by:
Tait Environmental Management, Inc.

May 5, 2003



May 5, 2003

Ms. Stephanie M. Sibbett
Boeing Realty Corporation
3855 Lakewood Boulevard
Building 1A, MC D001-0097
Long Beach, CA 90846

Subject: Field Data Report for Annual Gauging and Sampling (March 2003) at the Boeing Realty Corporation, Former C-6 Facility, Torrance, California

Dear Ms. Sibbett:

This report is prepared to summarize and present the field data collected during the March 2003 Annual groundwater sampling and gauging activities conducted March 25-28, 2003 at the Boeing Realty Corporation (BRC), Former C-6 Facility, Torrance, California (Site). The groundwater gauging and sampling activities were performed in accordance with the following:

- *Groundwater Monitoring Work Plan 2003* by Haley & Aldrich, Inc., dated December 9, 2002 (File No. 28882-002).
- *Statement of Work for Evaluating of Natural Attenuation* by Exponent prepared for Ogden Environmental and Energy Services Co., dated January 10, 2001.
- *Standard Operating Procedures for Measuring Natural Attenuation Parameters* by England Geosystems and Haley & Aldrich, dated January 9, 2001.
- *Standard Operating Procedures, Groundwater Gauging and Sampling* by Tait Environmental Management, Inc., dated September 9, 2002.

The following is a brief summary of our field activities and observations:

- A total of 20 monitoring wells were gauged on March 25, 2003. Three (3) wells (WCC_4S, WCC_12S, and XMW_09) could not be gauged due to accessibility issues (See Groundwater Gauging Table, Appendix A).
- A total of 20 monitoring wells were purged and sampled between March 25-28, 2003. Three (3) of the 20 monitoring wells (TMW-6, TMW-11, & XMW-19) were purged and sampled for natural attenuation parameters.



- Three (3) wells could not be sampled due to accessibility issues. Monitoring well WCC_12S had been buried more than 4 feet below ground surface. Monitoring well WCC_4S was not sampled as the well was covered with trash/refuse and the entrance gate had been damaged and was in a closed position, not allowing access with the equipment. Monitoring well WCC_7S, which is located approximately 150 feet between WCC_12S and WCC_4S was sampled in order to obtain data for that area of the Site. Monitoring well XMW_09 is an off-site well not owned by BRC. This well was not sampled, as it had been paved over during previous construction activities in that area.
- A total of twenty (20) 55-gallon drums were filled with decontamination and purged groundwater and were labeled per the Haley & Aldrich IDW numbering scheme. The wells were left adjacent to each well and then later relocated to Lot 8.

Please call us if you have any questions or comments at (714) 560-8200. TEM is pleased to be of continued service to Boeing Realty Corporation.

Very Truly Yours,

Tait Environmental Management, Inc.

Scott Ek
Project Geologist

Attachments:

- Appendix A: Well Gauging Data Sheets & Groundwater Sampling Data Sheets
- Appendix B: Daily Field Reports
- Appendix C: Instrument Calibration Sheets, QA/QC Sample Identification Forms, and Investigation Derived Waste Inventory Records



March 2003 Annual Groundwater Monitoring Event
Groundwater Gauging Table

Boeing Realty Corporation
Former C-6 Facility
Torrance, California

| Well ID | Date | Time | Diameter | Measurement Point | Depth to Water | Total Depth | Comments |
|---------|------------|-------|----------|-------------------|----------------|-------------|--|
| BL-03 | 03/24/2003 | 9:13 | 2 | TOC-Notch | 70.35 | 80.93 | Good condition, tubing in well, soft bottom. |
| DAC-P1 | 03/24/2003 | 10:10 | 4 | TOC-Redmark | 65.58 | 90.50 | Good condition, tubing in well, soft bottom. |
| TMW-01 | 03/24/2003 | 10:40 | 2 | TOC-Blackmark | 69.84 | 84.61 | Good condition, soft bottom. |
| TMW-02 | 03/25/2003 | 10:35 | 2 | TOC-Bluemark | 69.79 | 85.05 | Very muddy bottom. |
| TMW-04 | 03/24/2003 | 8:46 | 2 | TOC-Bluemark | 66.27 | 80.23 | Good condition, tubing in well, semi-soft bottom. |
| TMW-05 | 03/24/2003 | 9:00 | 2 | TOC-Bluemark | 67.57 | 83.09 | Area surrounding well overgrown with shrubs, tubing in well, very soft bottom. |
| TMW-06 | 03/24/2003 | 8:53 | 2 | TOC-Bluemark | 70.67 | 85.80 | Tubing in well, good condition; soft bottom. |
| TMW-07 | 03/24/2003 | 10:20 | 2 | TOC-Blackmark | 66.24 | 83.59 | Good condition, soft bottom. |
| TMW-08 | 03/24/2003 | 10:25 | 2 | TOC-Blackmark | 67.69 | 82.53 | Good condition, soft bottom. |
| TMW-09 | 03/24/2003 | 10:44 | 2 | TOC-Blackmark | 66.56 | 80.19 | Above-ground well casing loose. Soft well bottom. |
| TMW-10 | 03/24/2003 | 9:22 | 2 | TOC-Blackmark | 61.52 | 77.90 | Well box flooded, both bolts missing. Soft bottom. |
| TMW-11 | 03/24/2003 | 8:55 | 2 | TOC-Blackmark | 61.97 | 78.00 | Good; Soft well bottom. |
| TMW-14 | 03/24/2003 | 9:55 | 2 | TOC-Blackmark | 72.61 | 87.70 | Monument casing, no well cap; soft well bottom. |



March 2003 Annual Groundwater Monitoring Event
Groundwater Gauging Table

Boeing Realty Corporation
Former C-6 Facility
Torrance, California

| Well ID | Date | Time | Diameter | Measurement Point | Depth to Water | Total Depth | Comments |
|---------|------------|-------|----------|-------------------|----------------|-------------|---|
| TMW-15 | 03/24/2003 | 10:02 | 2 | TOC-Blackmark | 68.90 | 87.26 | Monument casing, good condition; soft bottom. |
| WCC-12S | 03/25/2003 | --- | 4 | --- | --- | --- | Well not accessible. Wellhead is burried >4 feet below ground surface - Inaccessible. |
| WCC-3S | 03/25/2003 | 9:17 | 4 | TOC-Blackmark | 64.46 | 88.78 | Very muddy bottom. |
| WCC-4S | 03/24/2003 | --- | 4 | --- | --- | --- | Well not accessible. Wellhead is covered with heavy refuse/trash - Inaccessible. |
| WCC-5S | 03/24/2003 | 10:15 | 4 | TOC-Blackmark | 62.13 | 89.86 | Well overgrown with shrubery, soft bottom. |
| WCC-6S | 03/25/2003 | 10:25 | 4 | TOC-Blackmark | 64.58 | 88.14 | Very muddy bottom. |
| WCC-7S | 03/24/2003 | 9:24 | 4 | TOC-Blackmark | 63.72 | 90.34 | Good condition, soft bottom. |
| WCC-9S | 03/25/2003 | 10:15 | 4 | TOC-Blackmark | 60.51 | 88.15 | Very muddy bottom. |
| XMW-09 | 03/24/2003 | --- | 4 | --- | --- | --- | Well paved over during construction - Inaccessible. |
| XMW-19 | 03/24/2003 | NM | 4 | TOC-Blackmark | 60.87 | 77.33 | Good; Soft well bottom. |

NOTES:

--- = Not Measured or No Information Available.

Depth to Water and Total Depth are in feet below measurement point.

Diameter in inches.



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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/26/03 | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|--|-----------------------------|------------------------|--|----------|---|--|
| Project No.: EM-2303 | | | | | Prepared By: NC/CC | | | | | | | |
| Well Identification: TMW_15 | | | | | Pump Intake Depth (ft-bmp): ~78 | | | | | | | |
| Measurement Point Description: Top of Casing, Blackmark | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | |
| ND | 68.91 | | 87.39 | | 18.48 | | ND | | 3 | | 9 | |
| Well Diameter (in) | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | |
| | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | |
| 11:06 | 0.5 | 1.5 | 0.4 | 74.11 | 7.11 | 23.77 | >990 | 0.91 | 5.75 | +16 | Very Silty | |
| 11:08 | 1 | 3 | 0.75 | 74.25 | 7.15 | 23.82 | 800 | 0.95 | 5.31 | +19 | Silty | |
| 11:10 | 1.5 | 4.5 | 0.75 | 74.00 | 7.16 | 24.06 | 540 | 1.10 | 4.63 | +24 | Slightly Silty | |
| 11:13 | 2 | 6 | 0.5 | 73.71 | 7.18 | 24.17 | 470 | 1.20 | 4.39 | +17 | Slightly Silty | |
| 11:16 | 2.5 | 7.5 | 0.5 | 73.53 | 7.20 | 24.24 | 300 | 1.23 | 4.33 | +6 | Clear | |
| 11:19 | 3 | 9 | 0.5 | 73.30 | 7.22 | 24.32 | 48 | 1.17 | 4.34 | +7 | Clear | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | |
| 11:02 | 11:19 | 0.5 | 9 | 3 | 72.61 | 72.61 | 11:25 | TMW_15_WG032603_0001 | | | | |
| Notes: | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/26/03 | | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|---------------------------------------|--|------------------------|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | Prepared By: NC/CC | | | | | | | | | | |
| Well Identification: TMW_14 | | | | | Pump Intake Depth (ft-bmp): ~82 | | | | | | | | | | |
| Measurement Point Description: Top of Casing, Blackmark | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 72.56 | | 87.68 | | 15.12 | | ND | | 2.5 | | 7.5 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 10:00 | 0.5 | 1.25 | 0.6 | 72.94 | 6.97 | 23.91 | 880 | 3.70 | 6.37 | +22 | Very Silty | | | | |
| 10:02 | 1 | 2.5 | 0.6 | 72.95 | 6.94 | 24.02 | 740 | 3.69 | 5.95 | +26 | Silty | | | | |
| 10:04 | 1.5 | 3.75 | 0.6 | 72.88 | 6.94 | 24.15 | 330 | 3.60 | 5.60 | +37 | Clear | | | | |
| 10:06 | 2 | 5 | 0.6 | 72.89 | 6.95 | 24.50 | 220 | 3.48 | 5.44 | +49 | Clear | | | | |
| 10:08 | 2.5 | 6.25 | 0.6 | 73.10 | 6.96 | 24.01 | 95 | 3.51 | 5.66 | +59 | Clear | | | | |
| 10:09 | 3 | 7.5 | 1.25 | 73.13 | 6.97 | 23.81 | 38 | 3.40 | 5.57 | +64 | Clear | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 9:58 | 10:09 | 0.68 | 7.5 | 3 | 75.58 | 73.13 | 10:12 | TMW_14_WG032603_0001 | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/26/03 | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|---------------------------------------|-----------------------------|------------------------|---|------------------------------|---|--|
| Project No.: EM-2303 | | | | | Prepared By: NC/CC | | | | | | | |
| Well Identification: TMW_11 | | | | | Pump Intake Depth (ft-bmp): ~72 | | | | | | | |
| Measurement Point Description: Top of Casing, Blackmark | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | |
| ND | 61.91 | | 77.42 | | 15.51 | | ND | | 2.5 | | 7.5 | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: | | Horiba U-22, Solinst Water Level Meter | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: | | 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: | | Good Condition, Solid Bottom | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | |
| 9:20 | 0.5 | 1.25 | 0.6 | 62.26 | 7.07 | 23.68 | >990 | 1.66 | 6.15 | +28 | Very Silty | |
| 9:21 | 1 | 2.5 | 1.25 | 62.27 | 7.05 | 23.69 | 780 | 1.66 | 5.51 | +34 | Silty | |
| 9:22 | 1.5 | 3.75 | 1.25 | 62.28 | 7.05 | 23.74 | 420 | 1.66 | 5.04 | +41 | Clear | |
| 9:24 | 2 | 5 | 0.6 | 62.28 | 7.05 | 23.73 | 210 | 1.65 | 4.81 | +46 | Clear | |
| 9:25 | 2.5 | 6.25 | 1.25 | 62.28 | 7.05 | 23.71 | 87 | 1.65 | 4.64 | +52 | Clear | |
| 9:26 | 3 | 7.5 | 1.25 | 62.31 | 7.05 | 23.72 | 39 | 1.65 | 4.46 | +54 | Clear | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | |
| 9:18 | 9:26 | 0.9 | 7.5 | 3 | 65.01 | 62.31 | 9:30 | TMW_11_WG032603_0001 | | | | |
| Notes: | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/26/03 | | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|---------------------------------------|--|---|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | Prepared By: NC/CC | | | | | | | | | | |
| Well Identification: TMW_10 | | | | | Pump Intake Depth (ft-bmp): ~71 | | | | | | | | | | |
| Measurement Point Description: Top of Casing, Blackmark | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 61.47 | | 78.95 | | 17.48 | | ND | | 3 | | 9 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Good Condition, Solid Bottom | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 8:25 | 0.5 | 1.5 | 0.75 | 61.92 | 6.55 | 23.87 | 680 | 1.52 | 6.25 | +26 | Silty, No Odor | | | | |
| 8:27 | 1 | 3 | 0.75 | 61.93 | 6.74 | 23.59 | 340 | 1.54 | 5.62 | +33 | Mostly Clear | | | | |
| 8:29 | 1.5 | 4.5 | 0.75 | 61.97 | 6.86 | 23.53 | 160 | 1.55 | 5.41 | +42 | Clear | | | | |
| 8:31 | 2 | 6 | 0.75 | 61.97 | 6.95 | 23.66 | 82 | 1.56 | 5.38 | +48 | Clear | | | | |
| 8:32 | 2.5 | 7.5 | 1.5 | 61.97 | 7.03 | 23.55 | 46 | 1.57 | 5.36 | +61 | Clear | | | | |
| 8:34 | 3 | 9 | 0.75 | 61.98 | 7.08 | 23.54 | 22 | 1.57 | 5.34 | +66 | Clear | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 8:23 | 8:34 | 0.8 | 9 | 3 | 64.97 | 61.98 | 8:40 | TMW_10_WG032603_0001 | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



Tait Environmental Management, Inc.

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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/25/03 | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|---------------------------------------|--|------------------------|--|----------|---|--|--|
| Project No.: EM-2303 | | | | | Prepared By: NC/CC | | | | | | | | |
| Well Identification: WCC_6S | | | | | Pump Intake Depth (ft-bmp): ~75 | | | | | | | | |
| Measurement Point Description: Top of Casing, Blackmark | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | |
| ND | 64.88 | | 88.00 | | 23.12 | | ND | | 15 | | 45 | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | |
| 13:04 | 0.5 | 7.5 | 0.9 | 66.37 | 7.07 | 23.49 | 163 | 1.05 | 3.46 | -181 | Cloudy, No Odor | | |
| 13:12 | 1 | 15 | 1.0 | 66.58 | 7.08 | 23.44 | 120 | 1.24 | 3.43 | -200 | Slightly Cloudy | | |
| 13:19 | 1.5 | 22.5 | 1.1 | 66.58 | 7.06 | 23.40 | 89 | 1.48 | 3.45 | -204 | Clear | | |
| 13:27 | 2 | 30 | 0.9 | 66.58 | 7.07 | 23.43 | 75 | 1.59 | 3.31 | -207 | Clear | | |
| 13:34 | 2.5 | 37.5 | 1.1 | 66.58 | 7.06 | 23.43 | 54 | 1.66 | 3.23 | -208 | Clear | | |
| 13:41 | 3 | 45 | 1.1 | 66.58 | 7.06 | 23.44 | 48 | 1.71 | 3.16 | -208 | Clear | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | |
| 12:54 | 13:41 | 0.96 | 45 | 3 | 69.50 | 66.58 | 13:45 | WCC_6S_WG032503_0001 | | | | | |
| Notes: | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/25/03 | | | | | | | | | | |
|--|-----------------------|--------------------------------------|----------------------|-----------------------------|--|---------------------------------------|--|------------------------|-------------------------|---------------------------------|----------------|------------------------------------|--|--|--|
| Project No.: EM-2303 | | | | | Prepared By: NC/CC | | | | | | | | | | |
| Well Identification: WCC_5S | | | | | Pump Intake Depth (ft-bmp): ~77 | | | | | | | | | | |
| Measurement Point Description: Top of Casing, Blackmark | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | |
| ND | | 62.18 | | 89.89 | | 27.71 | | ND | | 18 | | 54 | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 11:09 | 0.5 | 9 | 1.5 | 62.99 | 7.32 | 23.12 | 8 | 0.99 | 3.73 | -25 | Clear, No Odor | | | | |
| 11:13 | 1 | 18 | 2.25 | 62.99 | 7.29 | 23.11 | 5 | 1.00 | 4.42 | -6 | Clear, No Odor | | | | |
| 11:18 | 1.5 | 27 | 1.8 | 62.98 | 7.29 | 23.16 | 4 | 1.16 | 4.02 | +17 | Clear, No Odor | | | | |
| 11:23 | 2 | 36 | 1.5 | 62.99 | 7.32 | 23.09 | 4 | 1.13 | 3.80 | +28 | Clear, No Odor | | | | |
| 11:27 | 2.5 | 45 | 2.25 | 63.00 | 7.34 | 23.09 | 4 | 1.13 | 3.73 | +35 | Clear, No Odor | | | | |
| 11:31 | 3 | 54 | 2.25 | 63.00 | 7.35 | 23.09 | 4 | 1.13 | 3.65 | +38 | Clear, No Odor | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 11:03 | 11:31 | 1.9 | 54 | 3 | 67.72 | 63.00 | 11:35 | WCC_5S_WG032503_0001 | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/26/03 | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|---------------------------------------|--|---|--|----------|---|--|--|
| Project No.: EM-2303 | | | | | Prepared By: NC/CC | | | | | | | | |
| Well Identification: WCC_9S | | | | | Pump Intake Depth (ft-bmp): ~71 | | | | | | | | |
| Measurement Point Description: Top of Casing, Blackmark | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | |
| ND | 60.41 | | 88.30 | | 27.89 | | ND | | 18 | | 54 | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Good Condition, Solid Bottom | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | |
| 12:02 | 0.5 | 9 | 1.8 | 61.68 | 7.17 | 23.13 | 45 | 0.765 | 3.02 | +14 | Clear | | |
| 12:06 | 1 | 18 | 2.3 | 61.73 | 7.20 | 23.09 | 48 | 1.37 | 4.47 | +17 | Clear | | |
| 12:10 | 1.5 | 27 | 2.3 | 61.73 | 7.26 | 23.11 | 36 | 1.43 | 4.21 | +18 | Clear | | |
| 12:14 | 2 | 36 | 2.3 | 61.71 | 7.25 | 23.09 | 23 | 1.49 | 4.15 | +20 | Clear | | |
| 12:18 | 2.5 | 45 | 2.3 | 61.71 | 7.27 | 23.10 | 10 | 1.53 | 4.14 | +17 | Clear | | |
| 12:22 | 3 | 54 | 2.3 | 61.67 | 7.29 | 23.13 | 10 | 1.58 | 4.15 | +15 | Clear | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | |
| 11:57 | 12:22 | 2.2 | 54 | 3 | 65.99 | 61.67 | 12:25 | WCC_9S_WG032603_0001 | | | | | |
| Notes: | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | Date: 03/26/03 | | | | | | | |
|---|---|-------------------------------|-----------------------------|--|--|--|------------------------------|-------------------------|-------------------------------|-------------|----------------|
| Project No.: EM-2303 | | | | Prepared By: NC/CC | | | | | | | |
| Well Identification: TMW_6 | | | | Pump Intake Depth (ft-bmp): ~80 | | | | | | | |
| Measurement Point Description: Top of Casing, Bluemark | | | | | | | | | | | |
| Depth to LNAPL (ft- bmp) | Depth to Static Water Level (ft-bmp) | Well Total Depth (ft-bmp) | Water Column Height (ft) | LNAPL Thickness (ft) | One (1) Casing Volume (gallons) | Three (3) Casing Volumes (gallons) | | | | | |
| ND | 70.56 | 85.77 | 15.21 | ND | 2.5 | 7.5 | | | | | |
| Well Diameter (in) | | Gallons/Foot | | | Field Equipment: Horiba U-22, Solinst Level Meter | | | | | | |
| | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations |
| 13:43 | 0.5 | 1.25 | 0.4 | 70.67 | 7.37 | 22.87 | 770 | 1.59 | 8.24 | +106 | Silty |
| 13:45 | 1 | 2.5 | 0.6 | 70.69 | 7.33 | 22.75 | 610 | 1.60 | 7.57 | +95 | Slightly Silty |
| 13:47 | 1.5 | 3.75 | 0.6 | 70.73 | 7.36 | 22.56 | 430 | 1.60 | 6.85 | +115 | Clearing |
| 13:48 | 2 | 5 | 1.25 | 70.73 | 7.35 | 22.66 | 160 | 1.60 | 6.65 | +119 | Clear |
| 13:50 | 2.5 | 6.25 | 0.6 | 70.72 | 7.37 | 23.10 | 38 | 1.59 | 6.09 | +117 | Clear |
| 13:52 | 3 | 7.5 | 0.6 | 70.72 | 7.42 | 22.84 | 22 | 1.61 | 6.07 | +120 | Clear |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | |
| 13:40 | 13:52 | 0.6 | 7.5 | 3 | 73.60 | 70.72 | 13:55 | TMW_6_WG032603_0001 | | | |
| Notes: | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/26/03 | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|---------------------------------------|--|------------------------|--|----------|---|--|--|
| Project No.: EM-2303 | | | | | Prepared By: NC/CC | | | | | | | | |
| Well Identification: TMW_9 | | | | | Pump Intake Depth (ft-bmp): ~76 | | | | | | | | |
| Measurement Point Description: Top of Casing, Blackmark | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | |
| ND | 66.36 | | 80.83 | | 13.72 | | ND | | 2.5 | | 7.5 | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Level Meter | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | |
| 14:31 | 0.5 | 1.25 | 1.25 | 67.31 | 7.56 | 23.05 | 620 | 1.51 | 8.49 | +155 | Silty | | |
| 14:33 | 1 | 2.5 | 0.6 | 67.17 | 7.53 | 22.99 | 390 | 1.51 | 7.71 | +146 | Slightly Silty | | |
| 14:34 | 1.5 | 3.75 | 1.25 | 67.12 | 7.48 | 23.15 | 220 | 1.51 | 6.49 | +132 | Slightly Silty | | |
| 14:36 | 2 | 5 | 0.6 | 67.04 | 7.47 | 23.17 | 140 | 1.52 | 6.01 | +134 | Clear | | |
| 14:37 | 2.5 | 6.25 | 1.25 | 66.97 | 7.46 | 23.51 | 64 | 1.52 | 5.70 | +127 | Clear | | |
| 14:39 | 3 | 7.5 | 0.6 | 66.91 | 7.45 | 23.64 | 42 | 1.52 | 5.66 | +124 | Clear | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | |
| 14:30 | 14:39 | 0.8 | 7.5 | 3 | 69.05 | 66.91 | 14:42 | TMW_9_WG032603_0001 | | | | | |
| Notes: | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



Tait Environmental Management, Inc.

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Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/27/03 | | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|---------------------------------------|--|---|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | Prepared By: CC/SM | | | | | | | | | | |
| Well Identification: BL_3 | | | | | Pump Intake Depth (ft-bmp): ~74 | | | | | | | | | | |
| Measurement Point Description: Top of Casing, Notch | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 70.28 | | 80.94 | | 10.66 | | ND | | 1.71 | | 5.10 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Good Condition, Solid Bottom | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 9:39 | 0.5 | 1 | 0.5 | 70.56 | 6.80 | 22.18 | 190 | 3.09 | 8.37 | +63 | Clear | | | | |
| 9:41 | 1 | 2 | 1 | 70.48 | 6.53 | 22.40 | 140 | 2.85 | 7.62 | +59 | Clear | | | | |
| 9:42 | 1.5 | 3 | 1 | 70.48 | 6.40 | 22.76 | 90 | 2.83 | 7.44 | +74 | Clear | | | | |
| 9:43 | 2 | 4 | 1 | 70.47 | 6.42 | 23.23 | 65 | 2.81 | 7.40 | +78 | Clear | | | | |
| 9:45 | 2.5 | 5 | 0.5 | 70.47 | 6.38 | 23.20 | 55 | 2.80 | 7.35 | +81 | Clear | | | | |
| 9:47 | 3 | 6 | 0.5 | 70.47 | 6.36 | 23.18 | 48 | 2.75 | 7.32 | +83 | Clear | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 9:38 | 9:47 | 0.6 | 6 | 3 | 72.41 | 70.74 | 9:51 | BL_3_WG032703_0001 | | | | | | | |
| Notes: Equipment Blank Collected (9:15): EB_TAIT032703_0001; Field Blank Collected (9:25): FB_TAIT032703_0001 | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/27/03 | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|--|------------------------------------|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: CC/SM | | | | | | | | | |
| Well Identification: WCC_3S | | | | | | Pump Intake Depth (ft-bmp): ~71 | | | | | | | | | |
| Measurement Point Description: Top of Casing | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 64.18 | | 88.81 | | 24.63 | | ND | | 16 | | 48 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Soft Bottom | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 11:02 | 0.5 | 8 | 1.6 | 64.39 | 6.26 | 24.75 | 650 | 1.55 | 8.66 | -103 | Slightly Gray, Odor | | | | |
| 11:09 | 1 | 16 | 1.2 | 64.42 | 6.15 | 23.90 | 420 | 1.42 | 8.13 | -115 | Clear | | | | |
| 11:17 | 1.5 | 24 | 1 | 64.42 | 6.72 | 22.35 | 380 | 1.39 | 7.33 | -110 | Slightly Cloudy, Odor | | | | |
| 11:25 | 2 | 32 | 1 | 64.37 | 6.66 | 23.50 | 210 | 1.36 | 5.69 | -89 | Slightly Cloudy, Odor | | | | |
| 11:37 | 2.5 | 40 | 0.9 | 64.37 | 6.60 | 23.60 | 100 | 1.30 | 5.62 | -88 | Slightly Cloudy, Odor | | | | |
| 11:45 | 3 | 48 | 1 | 64.47 | 6.57 | 26.63 | 45 | 1.35 | 4.99 | -85 | Slightly Cloudy, Odor | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 10:57 | 11:50 | 1 | 48 | 3 | 69.12 | 64.44 | 11:48 | WCC_03S_WG032703_0001 | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/27/03 | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|--|-----------------------------|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: CC/SM | | | | | | | | | |
| Well Identification: TMW_1 | | | | | | Pump Intake Depth (ft-bmp): ~80 | | | | | | | | | |
| Measurement Point Description: Top of Casing, Bluemark | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 69.59 | | 85.59 | | 16 | | ND | | 2.5 | | 7.5 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Good | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 13:03 | 0.5 | 1.25 | 0.6 | 70.16 | 6.39 | 25.27 | --- | 5.75 | 8.4 | +87 | Cloudy | | | | |
| 13:07 | 1 | 2.5 | 0.3 | 70.14 | 6.45 | 24.03 | --- | 5.49 | 7.26 | +87 | Slightly Cloudy | | | | |
| 13:09 | 1.5 | 3.75 | 0.4 | 70.14 | 6.51 | 23.95 | --- | 5.48 | 6.89 | +85 | Slightly Cloudy | | | | |
| 13:13 | 2 | 5 | 0.3 | 70.14 | 6.55 | 23.27 | --- | 5.41 | 6.65 | +81 | Slightly Cloudy | | | | |
| 13:15 | 2.5 | 6.25 | 0.6 | 70.14 | 6.61 | 23.21 | --- | 5.39 | 6.61 | +80 | Slightly Cloudy | | | | |
| 13:18 | 3 | 7.5 | 0.4 | 70.10 | 6.65 | 23.52 | --- | 5.37 | 6.62 | +80 | Slightly Cloudy | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 13:01 | 13:18 | 0.4 | 7.5 | 3 | 72.79 | 70.10 | 13:20 | TMW_1_WG032703_0001 | | | | | | | |
| Notes: Pump stopped at 13:04 and was re-started at 13:05. | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/27/03 | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|--|--|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: CC/SM | | | | | | | | | |
| Well Identification: TMW_4 | | | | | | Pump Intake Depth (ft-bmp): ~72 | | | | | | | | | |
| Measurement Point Description: Top of Casing | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 66.04 | | 80.24 | | 14.2 | | ND | | 2.28 | | 6.8 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Good, Soft Bottom | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 14:12 | 0.5 | 1.25 | 0.25 | 66.57 | 6.60 | 23.08 | --- | 1.51 | 5.87 | +124 | Cloudy | | | | |
| 14:15 | 1 | 2.5 | 0.4 | 66.40 | 6.64 | 23.00 | --- | 1.49 | 5.45 | +119 | Cloudy | | | | |
| 14:17 | 1.5 | 3.75 | 0.6 | 66.21 | 6.66 | 23.01 | --- | 1.41 | 5.31 | +115 | Cloudy | | | | |
| 14:19 | 2 | 5 | 0.6 | 66.13 | 6.69 | 22.99 | --- | 1.40 | 5.24 | +113 | Cloudy | | | | |
| 14:21 | 2.5 | 6.25 | 0.6 | 66.13 | 6.60 | 23.13 | --- | 1.44 | 5.01 | +111 | Clear | | | | |
| 14:24 | 3 | 7.5 | 0.6 | 66.56 | 6.58 | 22.94 | --- | 1.41 | 5.10 | +113 | Clear | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 14:07 | 14:24 | 0.4 | 7.5 | 3.3 | 68.88 | 66.56 | 14:25 | TMW_4_WG032703_0001 | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/27/03 | | | | | | | | | |
|---|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|--|--|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: CC/SM | | | | | | | | | |
| Well Identification: TMW_7 | | | | | | Pump Intake Depth (ft-bmp): ~78 | | | | | | | | | |
| Measurement Point Description: Top of Casing | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 65.97 | | 83.59 | | 17.62 | | ND | | 2.8 | | 8.4 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Good, Soft Bottom | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 15:08 | 0.5 | 1.4 | 0.4 | 66.56 | 7.05 | 23.15 | --- | 1.69 | 9.82 | +186 | Slightly Turbid | | | | |
| 15:10 | 1 | 2.8 | 0.7 | 66.48 | 6.68 | 23.22 | --- | 1.64 | 6.41 | +174 | Slightly Turbid | | | | |
| 15:12 | 1.5 | 4.2 | 0.7 | 66.48 | 6.64 | 23.31 | --- | 1.61 | 6.36 | +168 | Slightly Turbid | | | | |
| 15:14 | 2 | 5.6 | 0.7 | 66.48 | 6.65 | 23.39 | --- | 1.62 | 6.11 | +155 | Clear | | | | |
| 15:16 | 2.5 | 7.0 | 0.7 | 66.46 | 6.63 | 23.45 | --- | 1.62 | 6.08 | +153 | Clear | | | | |
| 15:17 | 3 | 8.4 | 1.4 | 66.47 | 6.61 | 23.51 | --- | 1.61 | 6.06 | +151 | Clear | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 15:04 | 15:19 | 0.6 | 8.4 | 3 | 69.49 | 66.47 | 15:19 | TMW_7_WG032703_0001 | | | | | | | |
| Notes: Collected Equipment Blank (15:24): EB_TAIT032703_0002 | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/28/03 | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|--|-------------------------------------|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: SM/CC | | | | | | | | | |
| Well Identification: XMW_19 | | | | | | Pump Intake Depth (ft-bmp): ~70 | | | | | | | | | |
| Measurement Point Description: Top of Casing | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 60.87 | | 77.33 | | 16.46 | | ND | | 10.7 | | 32.10 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Solid Bottom | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 10:53 | 0.5 | 5.35 | 2.68 | 61.23 | 7.40 | 23.9 | >999 | 1.82 | 11.77 | +155 | Silty, No Odor | | | | |
| 10:58 | 1 | 10.70 | 1.07 | 61.68 | 7.36 | 23.9 | >999 | 1.67 | 11.50 | +90 | Silty, No Odor | | | | |
| 11:01 | 1.5 | 16.05 | 1.78 | 61.15 | 7.27 | 23.8 | >999 | 1.68 | 11.42 | +136 | Silty, No Odor | | | | |
| 11:06 | 2 | 21.40 | 1.07 | 61.66 | 7.72 | 23.6 | >999 | 1.66 | 11.82 | +137 | Silty, No Odor | | | | |
| 11:12 | 2.5 | 26.75 | 0.89 | 61.66 | 7.30 | 23.7 | 241 | 1.64 | 12.11 | +143 | Silty, No Odor | | | | |
| 11:15 | 3 | 32.10 | 1.67 | 61.61 | 7.29 | 23.6 | 244 | 1.65 | 12.38 | +142 | Silty, No Odor | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 10:51 | 11:15 | 1.34 | 32.10 | 3 | 64.16 | 61.61 | 11:25 | XMW_19_WG032803_0001 | | | | | | | |
| Notes: Collected Duplicate @ 11:27: XWM_19_WG032803_0002. Collected Field Blank: FB_TAIT022803_0001 | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/28/03 | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|--|------------------------------------|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: SM/CC | | | | | | | | | |
| Well Identification: TMW_08 | | | | | | Pump Intake Depth (ft-bmp): ~77 | | | | | | | | | |
| Measurement Point Description: Top of Casing | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 67.71 | | 82.61 | | 14.90 | | ND | | 2.38 | | 7.14 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Soft Bottom | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 12:50 | 0.5 | 1.19 | 0.60 | 68.16 | 6.86 | 23.9 | 641 | 1.74 | 12.87 | --- | Cloudy, No Odor | | | | |
| 12:52 | 1 | 2.38 | 0.60 | 68.20 | 7.02 | 23.2 | 185 | 1.63 | 12.90 | --- | Cloudy, No Odor | | | | |
| 12:54 | 1.5 | 3.57 | 0.60 | 68.14 | 7.04 | 22.9 | 55 | 1.65 | 12.88 | --- | Clear | | | | |
| 12:56 | 2 | 4.76 | 0.60 | 68.14 | 7.03 | 23.1 | 30 | 1.66 | 12.68 | --- | Clear | | | | |
| 12:58 | 2.5 | 5.95 | 0.60 | 68.12 | 6.91 | 23.2 | 26 | 1.65 | 12.41 | --- | Clear | | | | |
| 13:00 | 3 | 7.14 | 0.60 | 68.11 | 7.06 | 23.1 | 24 | 1.65 | 12.51 | --- | Clear | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 12:48 | 13:00 | 0.60 | 7.14 | 3 | 70.69 | 68.11 | 13:01 | TMW_08_WG032803_0001 | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/28/03 | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|--|------------------------|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: SM/CC | | | | | | | | | |
| Well Identification: TMW_02 | | | | | | Pump Intake Depth (ft-bmp): ~80 | | | | | | | | | |
| Measurement Point Description: Top of Casing | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 69.94 | | 85.09 | | 15.15 | | ND | | 2.42 | | 7.27 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Horiba U-22, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 15:59 | 0.5 | 1.21 | 0.61 | 72.92 | 6.76 | 24.7 | 275 | 2.61 | 11.72 | --- | Cloudy, Odor | | | | |
| 14:02 | 1 | 2.42 | 0.61 | 72.94 | 6.90 | 23.4 | 279 | 2.65 | 12.25 | --- | Cloudy, Odor | | | | |
| 14:04 | 1.5 | 3.63 | 0.61 | 72.21 | 6.87 | 23.0 | 312 | 2.65 | 12.18 | --- | Cloudy, Odor | | | | |
| 14:06 | 2 | 4.84 | 0.61 | 72.17 | 7.02 | 23.0 | 156 | 2.75 | 11.83 | --- | Clear, Odor | | | | |
| 14:08 | 2.5 | 6.05 | 0.61 | 72.07 | 6.87 | 23.0 | 98 | 2.66 | 11.64 | --- | Clear, Odor | | | | |
| 14:10 | 3 | 7.27 | 0.61 | 72.07 | 6.94 | 22.8 | 6 | 2.69 | 11.59 | --- | Clear, Odor | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 13:57 | 14:10 | 0.61 | 7.27 | 3 | 72.97 | 72.07 | 14:11 | TMW_02_WG032803_0001 | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/28/03 | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|-----------------------------|-------------------------------------|--|----------|---|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: SM/CC | | | | | | | |
| Well Identification: TMW_05 | | | | | | Pump Intake Depth (ft-bmp): ~78 | | | | | | | |
| Measurement Point Description: Top of Casing | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | |
| ND | 67.61 | | 82.92 | | 15.31 | | ND | | 2.45 | | 7.35 | | |
| Well Diameter (in) | | Gallons/Foot | | | | Field Equipment: Hanna Water Parameter Meter, Solinst Water Level Meter | | | | | | | |
| | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Solid Bottom | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | |
| 15:06 | 0.5 | 1.23 | 0.21 | 67.78 | 7.43 | 23.2 | 271 | 0.95 | 11.21 | +147 | Cloudy, No Odor | | |
| 15:16 | 1 | 2.45 | 0.41 | 67.85 | 7.71 | 22.4 | 114 | 0.91 | 11.16 | +146 | Cloudy, No Odor | | |
| 15:19 | 1.5 | 3.69 | 0.41 | 67.87 | 7.76 | 22.3 | 97 | 0.67 | 11.05 | +123 | Cloudy, No Odor | | |
| 15:21 | 2 | 4.92 | 0.62 | 67.71 | 7.75 | 20.5 | 39 | 0.61 | 11.85 | +123 | Clearing, No Odor | | |
| 15:24 | 2.5 | 6.15 | 0.41 | 67.73 | 7.66 | 22.2 | 38 | 0.65 | 10.65 | +141 | Clearing, No Odor | | |
| 15:26 | 3 | 7.38 | 0.62 | 67.71 | 7.58 | 21.8 | 21 | 0.65 | 10.16 | +152 | Clear, No Odor | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | |
| 15:00 | 15:26 | 0.28 | 7.38 | 3 | 70.67 | 67.71 | 15:26 | TMW_05_WG032803_0001 | | | | | |
| Notes: 15:08 Pump Stopped, 15:15 Pump Re-Started. | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | | Date: 03/28/03 | | | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|---------------------------------|--|--|------------------------------------|--|----------|---|--|--|--|--|
| Project No.: EM-2303 | | | | | | Prepared By: SM/CC | | | | | | | | | |
| Well Identification: DAC_P1 | | | | | | Pump Intake Depth (ft-bmp): ~79 | | | | | | | | | |
| Measurement Point Description: Top of Casing | | | | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | | | | |
| ND | 65.57 | | 90.42 | | 24.85 | | ND | | 16.15 | | 48.75 | | | | |
| Well Diameter (in) | | | Gallons/Foot | | | | Field Equipment: Hanna Water Parameter Meter, Solinst Water Level Meter | | | | | | | | |
| | | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Soft Bottom | | | | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | | | | |
| 16:22 | 0.5 | 8.13 | 1.16 | 67.93 | 7.03 | 23.0 | 39 | 2.42 | 10.35 | +174 | Clear, No Odor | | | | |
| 16:27 | 1 | 16.25 | 1.62 | 68.12 | 7.17 | 22.6 | 61 | 2.26 | 9.55 | +127 | Clear, No Odor | | | | |
| 16:32 | 1.5 | 24.39 | 1.63 | 68.21 | 7.11 | 22.6 | 44 | 2.36 | 9.38 | +179 | Clear, No Odor | | | | |
| 16:40 | 2 | 32.52 | 1.0 | 68.32 | 7.12 | 22.6 | 0 | 2.38 | 9.34 | +217 | Clear, No Odor | | | | |
| 16:46 | 2.5 | 40.65 | 1.4 | 68.30 | 7.13 | 22.4 | 0 | 2.61 | 9.71 | +211 | Clear, No Odor | | | | |
| 16:53 | 3 | 48.75 | 1.2 | 68.33 | 7.16 | 22.1 | 0 | 2.44 | 9.98 | +86 | Clear, No Odor | | | | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | | | | |
| 16:15 | 16:55 | 1.2 | 48.75 | 3 | 70.54 | 68.33 | 16:53 | DAC_P1_WG032803_0001 | | | | | | | |
| Notes: | | | | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid

Groundwater Sampling Data Sheet

| Project Name: BRC, Former C-6 Facility (March 2003) | | | | | Date: 03/28/03 | | | | | | | |
|--|---|-------------------------|----------------------------------|-----------------------------|--|--|-----------------------------|---|--|----------|---|--|
| Project No.: EM-2303 | | | | | Prepared By: SM/CC | | | | | | | |
| Well Identification: WCC_7S | | | | | Pump Intake Depth (ft-bmp): ~72 | | | | | | | |
| Measurement Point Description: Top of Casing, Notch | | | | | | | | | | | | |
| Depth to LNAPL (ft-bmp) | Depth to Static Water Level (ft-bmp) | | Well Total Depth (ft-bmp) | | Water Column Height (ft) | | LNAPL Thickness (ft) | | One (1) Casing Volume (gallons) | | Three (3) Casing Volumes (gallons) | |
| ND | 63.71 | | 90.43 | | 26.72 | | ND | | 17.37 | | 52.11 | |
| Well Diameter (in) | | Gallons/Foot | | | | Field Equipment: Hanna Water Parameter Meter, Solinst Water Level Meter | | | | | | |
| | | 0.75 | 2 | 4 | 6 | Purge Method: 2-Inch Diameter Grundfos Pump with Dedicated Tubing | | | | | | |
| 0.75 | 2 | 4 | 6 | 0.02 | 0.16 | 0.65 | 1.47 | Well Condition: Soft Bottom, Well Requires New Expansion Cap | | | | |
| Time | Casing Volumes Purged | Volume Purged (gallons) | Flow Rate (gpm) | Water Level (ft-bmp) | Ph | Temperature (°C) | Turbidity (NTU) | Conductivity (mS/cm) | Dissolved Oxygen (mg/L) | ORP (mV) | Observations | |
| 17:37 | 0.5 | 8.69 | 1.24 | 64.12 | 7.53 | 22.2 | 5 | 2.09 | 9.85 | +174 | Clear, No Odor | |
| 17:44 | 1 | 17.38 | 1.24 | 64.13 | 7.31 | 21.9 | 10 | 1.94 | 9.96 | +136 | Clear, No Odor | |
| 17:50 | 1.5 | 26.07 | 1.45 | 64.14 | 7.30 | 22.0 | 8 | 1.73 | 9.42 | +179 | Clear, No Odor | |
| 17:57 | 2 | 34.76 | 1.24 | 64.15 | 7.31 | 21.8 | 9 | 1.62 | 9.42 | +197 | Clear, No Odor | |
| 18:02 | 2.5 | 43.45 | 1.74 | 64.17 | 7.30 | 22.0 | 10 | 1.59 | 9.18 | +153 | Clear, No Odor | |
| 18:08 | 3 | 52.14 | 1.45 | 64.16 | 7.32 | 21.3 | 5 | 1.79 | 9.63 | +175 | Clear, No Odor | |
| Purge Start Time | Purge End Time | Average Flow (gpm) | Total Gallons Purged | Total Casing Volumes Purged | 80% Recovery Water Level Depth | Water Level at Sampling Time (ft-bmp) | Sample Collection Time | Sample Identification | | | | |
| 17:30 | 18:08 | 1.37 | 52.14 | 3 | 69.05 | 64.16 | 18:08 | WCC_7S_WG032803_0001 | | | | |
| Notes: | | | | | | | | | | | | |

ft-bmp = feet below measuring point

LNAPL = light non-aqueous phase liquid



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DAILY FIELD REPORT

| | | | |
|------------------------------------|--|------------------------|---------------|
| Project Name: Boeing C-17 Torrance | | Project #: _____ | Date: 3/25/03 |
| Personnel: NC/CC | | Sub Contractors: _____ | |

Task: Sample groundwater wells per March 2003 Sampling protocol.

| | | |
|-----------------------|-----------------|----------------------|
| Time Arrived at Site: | Time Left Site: | Total Hours at Site: |
| Odometer (Start): | Odometer (End): | Total Miles: |

Equipment List:

- Solinst Water Level Meter Serial #: _____
- Solinst Water/Product Level Interface Meter Serial #: _____
- Horiba U-22 Water Quality Meter Serial #: _____
- PID/FID Type: _____ Serial #: _____
- Submersible Pump Type: 2" Grundfos Serial #: _____
- Generator Type: _____ Serial #: _____
- Company Truck License #: _____
- Other(s): Redflow Var. Freq. Net Drive.

Description of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

Arrived on site at 7:00 a.m.
Conducted tailgate health and safety meeting.
Set up decon station, decontaminated equipment

Client Signature (if applicable): _____ Date: _____



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March 2003 Sampling
Project Name: Boeing C-6, Torraneel Project #: EM2303 Date: 3/25/03

Calibrated Horiba U-22, and Solinst

A.M. - Dug ^{NC} top to uncover buried wells and gauged.
Could not locate WCC-12S under dirt.

Removed tubing from TMW-2 to gauge.

~~NC~~ Could not access WCC-4S due to materials/trash
dumpster on top. Broken glass and metal pieces.

11:03 - start purging WCC-5S.

11:35 - Collected Sample ~~NC~~ WCC-5S-WG032503-0001.

12:54 - Start purge WCC-10S.

13:45 ^{NC} Collected Sample WCC-10S-WG032503-0001



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DAILY FIELD REPORT

| | | | |
|--|--|---------------------|---------------|
| Project Name: March 2003 Sampling BRC C-6, Torrance | | Project #: EMZ303 | Date: 3/26/03 |
| Personnel: NC/CC | | Sub Contractors: NA | |

Task: Sample groundwater wells per March 2003
GW Sampling protocol.

| | | |
|-----------------------|-----------------|----------------------|
| Time Arrived at Site: | Time Left Site: | Total Hours at Site: |
| Odometer (Start): | Odometer (End): | Total Miles: |

Equipment List:

- Solinst Water Level Meter Serial #: _____
- Solinst Water/Product Level Interface Meter Serial #: _____
- Horiba U-22 Water Quality Meter Serial #: _____
- PID/FID Type: _____ Serial #: _____
- Submersible Pump Type: 2" Grundfos. Serial #: _____
- Generator Type: _____ Serial #: _____
- Company Truck License #: _____
- Other(s): Rediflow Var. Freq. Drive.

Description of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

Arrived on site at 7:00 a.m.
Set up decon station, decontaminated equipment.
Conducted tailgate health and safety meeting.

Client Signature (if applicable): _____ Date: _____



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March 2003 Sampling

Project Name: BRC 0-6, Torrance

Project #: EM2303

Date: 3/26/03

Calibrated Horiba U-22 and Solinst.

8:23 - start purge TMW-10

8:40^{NC} - Collected sample TMW-10-WG032603-0001

9:18 - start purge TMW-11

9:30 - Collected sample TMW-11-WG032603-0001.

9:58 - start purge TMW-14

10:12 - Collected sample TMW-14-WG032603-0001

11:02 - start purge TMW-15

11:25 - Collected sample TMW-15-WG032603-0001

11:57 - start purge WCC-9S.

Unsafe to access well, trip hazard. Well box filled with mud up to top of casing. Well bottom very muddy.

12:25 - Collected sample WCC-9S-WG032603-0001

13:40 - start purge TMW-6

13:55 - Collected sample TMW-6-WG032603-0001

14:30 - start purge TMW-9.

Well casing above ground is very loose and removable.

Very difficult to keep upright. Needs repair.

14:42 - Collected sample TMW-9-WG032603-0001



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DAILY FIELD REPORT

| | | | | | |
|---------------|-------------|------------------|--------|-------|---------|
| Project Name: | Boeing C-C | Project #: | EM2403 | Date: | 3/27/03 |
| Personnel: | Curt/Shelly | Sub Contractors: | n/a | | |

Task: March 2003 Sampling

| | | | | | |
|-----------------------|------|-----------------|--|----------------------|--|
| Time Arrived at Site: | 0645 | Time Left Site: | | Total Hours at Site: | |
| Odometer (Start): | | Odometer (End): | | Total Miles: | |

Equipment List:

- Solinst Water Level Meter Serial #: _____
- Solinst Water/Product Level Interface Meter Serial #: _____
- Horiba U-22 Water Quality Meter Serial #: _____
- PID/FID Type: _____ Serial #: _____
- Submersible Pump Type: grundfos Serial #: _____
- Generator Type: portable Serial #: _____
- Company Truck License #: uhawel
- Other(s): _____

Description of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

sampled 5 wells; 2 EB's, 1 TB, 1 FB, 1 DW

Client Signature (if applicable): Curt Conn Date: 3/27/03

Page ____ of ____



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| Project Name: | Project #: | Date: |
|---------------|------------|-------|
|---------------|------------|-------|

7:00AM Met at Starbucks

7:56am Finally found FIRST Well, Conducted Safety meeting, calibrated equipment and set up for Day. Created EB+FB tables etc. for

9:38 STARTED Purge BL3

9:50 SAMPLED

10:57 STARTED Purge WCC-03S. Access to Well Difficult.

11:48 Sampled WCC-03S

12:27 Arrived @ well TMW1. Well was challenging to find and Access was Difficult. Horiba's Turbidity stopped working Properly.

13:01 STARTED Purging TMW1

13:05 RESTARTED Purging After generator ceased.

13:20 Sampled

14:07 STARTED Purging TMW-4 -Turbidity not working

14:25 Sampled

15:04 STARTED Purge of TMW7

15:19 Sampled w/ a Duplicate on TMW7

16:00 Left Site for DAY.



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DAILY FIELD REPORT

| | | |
|-------------------------------|-------------------|---------------|
| Project Name: Boeing Torrance | Project #: Em2403 | Date: 3/28/03 |
| Personnel: Sm CC | Sub Contractors: | |

Task: GW Sampling March 2003

| | | |
|------------------------------|-----------------|----------------------|
| Time Arrived at Site: 7:00AM | Time Left Site: | Total Hours at Site: |
| Odometer (Start): | Odometer (End): | Total Miles: |

Equipment List:

- Solinst Water Level Meter Serial #: _____
- Solinst Water/Product Level Interface Meter Serial #: _____
- Horiba U-22 Water Quality Meter Serial #: _____
- PID/FID Type: _____ Serial #: _____
- Submersible Pump Type: Grundfos Serial #: _____
- Generator Type: PORTABLE Serial #: _____
- Company Truck License #: Rental
- Other(s): Hanna Water Meter

Description of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

7:10AM - Returned to CC to Rent A Solinst from Geotech

10:15 - Safety and Calibration

10:51 - After Locating well AND setting

Client Signature (if applicable): _____ Date: _____



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| | | |
|---------------|------------|-------|
| Project Name: | Project #: | Date: |
|---------------|------------|-------|

up in the DITCH, STARTED Purging.
11:25 Sampled XMW-19
12:48 Located TMW-08 and STARTED Purging
13:01 Sampled
13:57 Located TMW-02 and Started Purging.
(Locating the wells is time consuming with little
landmarks)
14:11 Sampled
15:00 Purged TMW-05 and Had the water Meter Delivered
15:15 RESTARTED Pump after ceased
15:26 Sampled
16:15 Purged DAC-P1
16:53 Sampled
17:30 Started Purging WCC-75. Well needs new CAP
18:08 Sampled
18:44 Left SITE



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Instrument Calibration Sheet



Tait Environmental Management, Inc.
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QA/QA Sample Identification Form

| | |
|---|---------------------------|
| Project Name: BRC, Former C-6 Facility (March 2003 Sampling Event) | Project #: EM-2303 |
|---|---------------------------|

| Date | Time | QA/QC Sample Type (Duplicate, Field Blank, Equipment Blank, Split) | Sample ID | Sample Location | Primary Sample Reference | Analytical Method(s) | Organic-Free Water Source and Reference | Name |
|---------|-------|--|----------------------|-----------------|--------------------------|----------------------|---|-------|
| 3/25/03 | NA | TRIP BLANK | TB_TAIT032503_0001 | NA | NA | 8260B | NA | NC/CC |
| 3/26/03 | NA | TRIP BLANK | TB_TAIT032603_0001 | NA | NA | 8260B | NA | NC/CC |
| 3/27/03 | 9:45 | EQUIPMENT BLANK | EB_TAIT032703_0001 | BL3 | NA | 8260B | STL | SM/CC |
| 3/27/03 | 9:25 | FIELD BLANK | FB_TAIT032703_0001 | BL3 | NA | 8260B | STL | SM/CC |
| 3/27/03 | 15:19 | DUPLICATE | TMW_7_WG032703_0002 | TMW_7 | TMW_7_WG032703_0001 | 8260B | NA | SM/CC |
| 3/27/03 | NA | TRIP BLANK | TB_TAIT032703_0001 | NA | NA | 8260B | NA | SM/CC |
| 3/27/03 | 15:24 | EQUIPMENT BLANK | EB_TAIT032703_0002 | TMW_7 | NA | 8260B | STL | SM/CC |
| 3/28/03 | 11:27 | DUPLICATE | XMW_19_WG032803_0002 | XMW-19 | XMW19_WG032803_0001 | 8260B | NA | SM/CC |
| 3/28/03 | NA | TRIP BLANK | TB_TAIT032803_0001 | NA | NA | 8260B | NA | SM/CC |
| 3/28/03 | NA | FIELD BLANK | FB_TAIT032803_0001 | XMW_19 | NA | 8260B | STL | SM/CC |



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Investigation Derived Waste (IDW) Inventory Record

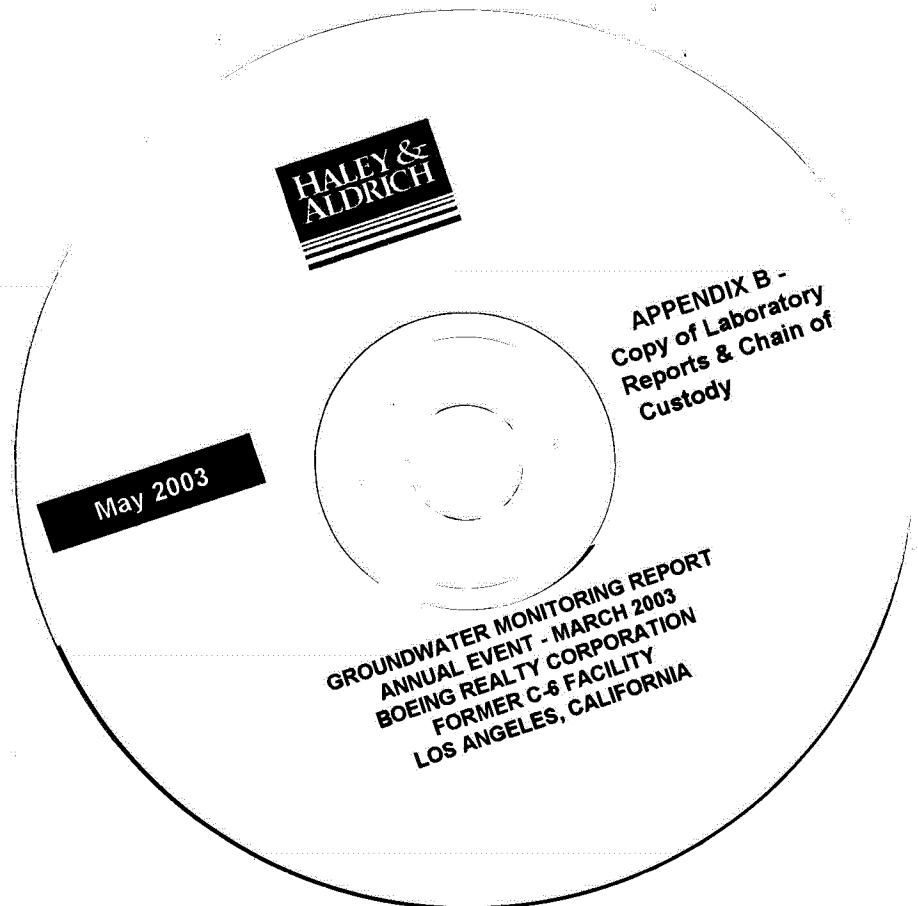
| | |
|---|-----------------------------|
| Project Name: BRC, Former C-6 Facility (March 2003 Sampling) | Project No.: EM-2303 |
|---|-----------------------------|

| Accumulation Date | Drum/Bin | Identifier | Waste Origination | Contents | Container Location | Inventoried By | Labeled By |
|--------------------------|-----------------|-------------------|--------------------------|-----------------|---------------------------|-----------------------|-------------------|
| 3/25/03 | Drum | C6-IDW175-TA | WCC-5S | Ground Water | Lot 8 | NC/CC | NC |
| 3/25/03 | Drum | C6-IDW176-TA | WCC-6S | Ground Water | Lot 8 | NC/CC | NC |
| 3/25/03 | Drum | C6-IDW177-TA | TMW-10 | Ground Water | Lot 8 | NC/CC | NC |
| 3/25/03 | Drum | C6-IDW178-TA | TMW-11 | Ground Water | Lot 8 | NC/CC | NC |
| 3/25/03 | Drum | C6-IDW179-TA | TMW-14 | Ground Water | Lot 8 | NC/CC | NC |
| 3/25/03 | Drum | C6-IDW180-TA | TMW-15 | Ground Water | Lot 8 | NC/CC | NC |
| 3/25/03 | Drum | C6-IDW181-TA | WCC-9S | Ground Water | Lot 8 | NC/CC | NC |
| 3/26/03 | Drum | C6-IDW182-TA | TMW-6 | Ground Water | Lot 8 | NC/CC | NC |
| 3/26/03 | Drum | C6-IDW183-TA | TMW-9 | Ground Water | Lot 8 | NC/CC | NC |
| 3/27/03 | Drum | C6-IDW184-TA | BL-03 | Ground Water | Lot 8 | NC/CC | NC |
| 3/27/03 | Drum | C6-IDW185-TA | WCC-3S | Ground Water | Lot 8 | SM/CC | CC |
| 3/27/03 | Drum | C6-IDW186-TA | TMW-1 | Ground Water | Lot 8 | SM/CC | CC |
| 3/27/03 | Drum | C6-IDW187-TA | TMW-4 | Ground Water | Lot 8 | SM/CC | SM |
| 3/27/03 | Drum | C6-IDW188-TA | TMW-7 | Ground Water | Lot 8 | SM/CC | CC |
| 3/28/03 | Drum | C6-IDW189-TA | XMW-19 | Ground Water | Lot 8 | SM/CC | SM |
| 3/28/03 | Drum | C6-IDW190-TA | TMW-8 | Ground Water | Lot 8 | SM/CC | SM |
| 3/28/03 | Drum | C6-IDW191-TA | TMW-2 | Ground Water | Lot 8 | SM/CC | SM |
| 3/28/03 | Drum | C6-IDW192-TA | TMW-5 | Ground Water | Lot 8 | SM/CC | SM |
| 3/28/03 | Drum | C6-IDW193-TA | DAC-P1 | Ground Water | Lot 8 | SM/CC | SM |
| 3/28/03 | Drum | C6-IDW194-TA | WCC-7S | Ground Water | Lot 8 | SM/CC | SM |

Appendix B

APPENDIX B

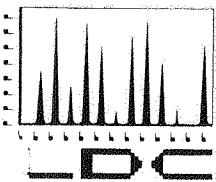
Analytical Reports and Chain-of-Custody Records (CD)



Appendix C

APPENDIX C

Data Validation



LABORATORY DATA CONSULTANTS, INC.

7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

Haley & Aldrich, Inc.
9040 Friars Road, Suite 202
San Diego, CA 92108
ATTN: Ms. Beth Breitenbach

May 8, 2003

SUBJECT: Boeing C-6 Site, Data Validation

Dear Ms. Breitenbach,

Enclosed is the final validation report for the fraction listed below. This SDG was received on April 29, 2003. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 10208:

| <u>SDG #</u> | <u>Fraction</u> |
|---------------------|------------------------|
| E3C260341 | Volatiles |

The data validation was performed under Tier 2 and Tier 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996

Please feel free to contact us if you have any questions.

Sincerely,

Steven A. Ziliak
Senior Chemist

LDC #10208 (Haley & Aldrich, Inc.-San Diego / Boeing Site#C -6)

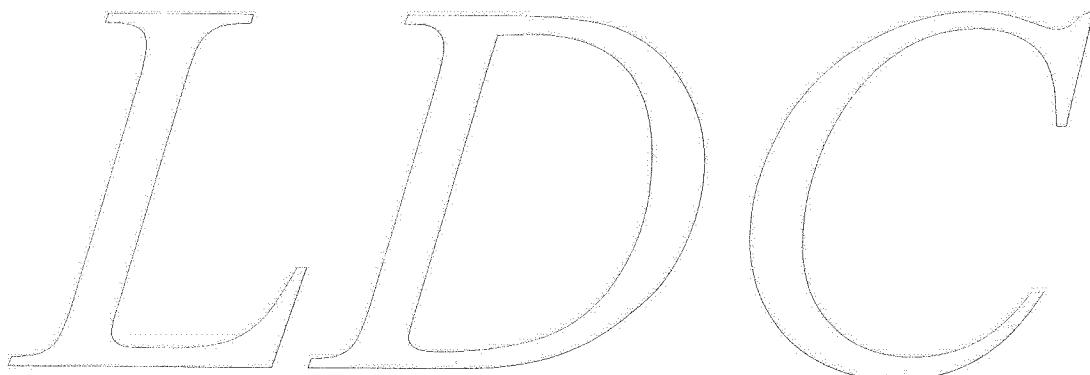
| LDC | SDG# | DATE REC'D | DATE DUE | VOA (8260B) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|------------|------------|----------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| | | | | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | W | S | | | | |
| Matrix: | Water/Soil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | E3C260341 | 4-29-03 | 5-19-03 | 5 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | E3C260341 | 4-29-03 | 5-19-03 | 3 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | TH | | | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

Shaded cells indicate Level IV validation (all other cells are Level III validation). Sample counts do not include MS, MSD, or DUP's.

10208ST.wpd

**BRC Former C-6 Torrance Harbor Gateway
Data Validation Reports
LDC# 10208**

Volatiles

A large, stylized graphic composed of numerous thin, black, wavy lines forming the letters 'N', 'D', and 'C'. The 'N' is on the left, the 'D' is in the center, and the 'C' is on the right. The lines are densely packed, creating a textured appearance for each letter.

**Laboratory Data Consultants, Inc.
Data Validation Report**

Project/Site Name: BRC Former C-6 Torrance Harbor Gateway
Collection Date: March 26, 2003
LDC Report Date: May 8, 2003
Matrix: Water
Parameters: Volatiles
Validation Level: Tier 2 & Tier 3
Laboratory: Severn Trent Laboratories
Sample Delivery Group (SDG): E3C260341

Sample Identification

TB_TAIT032603_0001
TMW_10_WG032603_0001**
TMW_11_WG032603_0001**
TMW_14_WG032603_0001**
TMW_15_WG032603_0001
WCC_9S_WG032603_0001
TMW_6_WG032603_0001
TMW_9_WG032603_0001
TMW_10_WG032603_0001MS
TMW_10_WG032603_0001MSD

**Indicates sample underwent a Tier 3 review

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260B for Volatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a Tier 3 review. A Tier 2 review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Tier 2 criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- A Indicates the finding is based upon technical validation criteria.
- P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodices were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance check data were reviewed for Tier 2/Tier 3.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 15.0% for each individual compound and less than or equal to 30.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 30.0% (%RSD) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria.

Average relative response factors (RRF) for all volatile target compounds and system performance check compounds (SPCCs) were within method and validation criteria with the following exceptions:

| Date | Compound | RRF (Limits) | Associated Samples | Flag | A or P |
|---------|--|---|------------------------------|---|--------|
| 3/14/03 | Acetone t-Butanol Acrylonitrile 2-Butanone Tetrahydrofuran Acrolein 2-Chloroethylvinyl ether | 0.00999 (≥ 0.05) 0.00424 (≥ 0.05) 0.00893 (≥ 0.05) 0.02242 (≥ 0.05) 0.01225 (≥ 0.05) 0.00630 (≥ 0.05) 0.01667 (≥ 0.05) | All samples in SDG E3C260341 | J (all detects) UJ (all non-detects) | A |

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

Percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were within the method criteria of less than or equal to 20.0% for calibration check compounds (CCCs).

For the purposes of technical evaluation, all compounds were evaluated against the 25.0% (%D) National Functional Guideline criteria. Unless noted above, all compounds were within the validation criteria with the following exceptions:

| Date | Compound | %D | Associated Samples | Flag | A or P |
|---------|------------------|------|------------------------------|---|--------|
| 3/26/03 | Carbon disulfide | 30.9 | All samples in SDG E3C260341 | J (all detects) UJ (all non-detects) | A |

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

| Date | Compound | RRF (Limits) | Associated Samples | Flag | A or P |
|---------|--|---|------------------------------|---|--------|
| 3/26/03 | Acrolein Acetone t-Butanol Acrylonitrile 2-Butanone Tetrahydrofuran 2-Chloroethylvinyl ether | 0.00661 (≥ 0.05) 0.00962 (≥ 0.05) 0.00413 (≥ 0.05) 0.00831 (≥ 0.05) 0.01911 (≥ 0.05) 0.01309 (≥ 0.05) 0.01560 (≥ 0.05) | All samples in SDG E3C260341 | J (all detects) UJ (all non-detects) | A |

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a Tier 3 review was performed. Raw data were not evaluated for the samples reviewed by Tier 2 criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a Tier 3 review was performed. Raw data were not evaluated for the samples reviewed by Tier 2 criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a Tier 3 review was performed. Raw data were not evaluated for the samples reviewed by Tier 2 criteria.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

XVII. Field Blanks

Sample TB_TAIT032603_0001 was identified as a trip blank. No volatile contaminants were found in this blank with the following exceptions:

| Trip Blank ID | Compound | Concentration (ug/L) |
|--------------------|----------|----------------------|
| TB_TAIT032603_0001 | Acetone | 5.3 |

BRC Former C-6 Torrance Harbor Gateway
Volatiles - Data Qualification Summary - SDG E3C260341

| SDG | Sample | Compound | Flag | A or P | Reason |
|-----------|--|--|---|--------|------------------------------|
| E3C260341 | TB_TAIT032603_0001 TMW_10_WG032603_0001** TMW_11_WG032603_0001** TMW_14_WG032603_0001** TMW_15_WG032603_0001 WCC_9S_WG032603_0001 TMW_6_WG032603_0001 TMW_9_WG032603_0001 | Acetone t-Butanol Acrylonitrile 2-Butanone Tetrahydrofuran Acrolein 2-Chloroethylvinyl ether | J (all detects) UJ (all non-detects) | A | Initial calibration (RRF) |
| E3C260341 | TB_TAIT032603_0001 TMW_10_WG032603_0001** TMW_11_WG032603_0001** TMW_14_WG032603_0001** TMW_15_WG032603_0001 WCC_9S_WG032603_0001 TMW_6_WG032603_0001 TMW_9_WG032603_0001 | Carbon disulfide | J (all detects) UJ (all non-detects) | A | Continuing calibration (%D) |
| E3C260341 | TB_TAIT032603_0001 TMW_10_WG032603_0001** TMW_11_WG032603_0001** TMW_14_WG032603_0001** TMW_15_WG032603_0001 WCC_9S_WG032603_0001 TMW_6_WG032603_0001 TMW_9_WG032603_0001 | Acrolein Acetone t-Butanol Acrylonitrile 2-Butanone Tetrahydrofuran 2-Chloroethylvinyl ether | J (all detects) UJ (all non-detects) | A | Continuing calibration (RRF) |

BRC Former C-6 Torrance Harbor Gateway
Volatiles - Laboratory Blank Data Qualification Summary - SDG E3C260341

No Sample Data Qualified in this SDG

10209A

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-001 Work Order #....: FKTJ11AA Matrix.....: WQ
 Date Sampled....: 03/26/03 Date Received...: 03/26/03 17:45
 Prep Date.....: 03/26/03 Analysis Date...: 03/26/03
 Prep Batch #....: 3086224 Method.....: SW846 8260B

| PARAMETER | REPORTING | | |
|------------------------------|-----------|-------|-------|
| | RESULT | LIMIT | UNITS |
| Acetone | 5.3 J | J | ug/L |
| Benzene | ND | 1.0 | ug/L |
| Bromobenzene | ND | 1.0 | ug/L |
| Bromochloromethane | ND | 1.0 | ug/L |
| Bromoform | ND | 1.0 | ug/L |
| Bromomethane | ND | 2.0 | ug/L |
| Carbon tetrachloride | ND | 0.50 | ug/L |
| 2-Butanone | ND | UJ | ug/L |
| n-Butylbenzene | ND | 1.0 | ug/L |
| sec-Butylbenzene | ND | 1.0 | ug/L |
| tert-Butylbenzene | ND | 1.0 | ug/L |
| Carbon disulfide | ND | UJ | ug/L |
| Chlorobenzene | ND | 1.0 | ug/L |
| Dibromochloromethane | ND | 1.0 | ug/L |
| Dichlorodifluoromethane | ND | 1.0 | ug/L |
| Bromodichloromethane | ND | 1.0 | ug/L |
| 1,2-Dichloroethane | ND | 0.50 | ug/L |
| 1,1-Dichloroethene | ND | 1.0 | ug/L |
| Chloroethane | ND | 2.0 | ug/L |
| Chloroform | ND | 1.0 | ug/L |
| Chloromethane | ND | 2.0 | ug/L |
| 2-Chlorotoluene | ND | 1.0 | ug/L |
| 4-Chlorotoluene | ND | 1.0 | ug/L |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L |
| 1,2-Dibromoethane | ND | 1.0 | ug/L |
| Iodomethane | ND | 2.0 | ug/L |
| Isopropyl ether | ND | 2.0 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,1-Dichloroethane | ND | 1.0 | ug/L |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| Vinyl chloride | ND | 0.50 | ug/L |
| 2,2-Dichloropropane | ND | 1.0 | ug/L |
| t-Butanol | ND | UJ | ug/L |
| 1,1-Dichloropropene | ND | 25 | ug/L |
| Tert-amyl methyl ether | ND | 1.0 | ug/L |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L |

(Continued on next page)

BOE-C6-0103788

TAIT ENVIRONMENTAL

Client Sample ID: TB_TAIT032603_0001

GC/MS Volatiles

Lot-Sample #...: E3C260341-001 Work Order #...: FKTJ11AA Matrix.....: WQ

| PARAMETER | RESULT | REPORTING | |
|-----------------------------|--------------|--------------------|-------|
| | | LIMIT | UNITS |
| Ethylbenzene | ND | 1.0 | ug/L |
| Hexachlorobutadiene | ND | 1.0 | ug/L |
| 2-Hexanone | ND | 5.0 | ug/L |
| Isopropylbenzene | ND | 1.0 | ug/L |
| p-Isopropyltoluene | ND | 1.0 | ug/L |
| Methylene chloride | ND | 1.0 | ug/L |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L |
| Methyl tert-butyl ether | ND | 1.0 | ug/L |
| n-Propylbenzene | ND | 1.0 | ug/L |
| Styrene | ND | 1.0 | ug/L |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L |
| Tetrachloroethene | ND | 1.0 | ug/L |
| Toluene | ND | 1.0 | ug/L |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 1,2,4-Trichloro- benzene | ND | 1.0 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| Trichloroethene | ND | 1.0 | ug/L |
| Trichlorofluoromethane | ND | 2.0 | ug/L |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| Xylenes (total) | ND | 1.0 | ug/L |
| Acrolein | ND <i>UJ</i> | 20 | ug/L |
| Acrylonitrile | ND <i>UJ</i> | 20 | ug/L |
| Vinyl acetate | ND | 5.0 | ug/L |
| Tetrahydrofuran | ND <i>UJ</i> | 10 | ug/L |
| 2-Chloroethyl vinyl ether | ND <i>UJ</i> | 5.0 | ug/L |
| PERCENT RECOVERY | | RECOVERY LIMITS | |
| <u>SURROGATE</u> | | | |
| Bromofluorobenzene | 100 | (75 - 130) | |
| 1,2-Dichloroethane-d4 | 92 | (65 - 135) | |
| Toluene-d8 | 111 | (80 - 130) | |

NOTE(S) :

J Estimated result. Result is less than RL.

A
5/8/05

TAIT ENVIRONMENTAL

Client Sample ID: TMW_10_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-002 Work Order #....: FKTJ51AA Matrix.....: WG
 Date Sampled...: 03/26/03 08:40 Date Received...: 03/26/03 17:45
 Prep Date.....: 03/26/03 Analysis Date...: 03/26/03
 Prep Batch #....: 3086224 Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING | |
|------------------------------|--------------|-----------|-------|
| | | LIMIT | UNITS |
| Acetone | ND <i>uJ</i> | 10 | ug/L |
| Benzene | ND | 1.0 | ug/L |
| Bromobenzene | ND | 1.0 | ug/L |
| Bromochloromethane | ND | 1.0 | ug/L |
| Bromoform | ND | 1.0 | ug/L |
| Bromomethane | ND | 2.0 | ug/L |
| Carbon tetrachloride | ND | 0.50 | ug/L |
| 2-Butanone | ND <i>uJ</i> | 5.0 | ug/L |
| n-Butylbenzene | ND | 1.0 | ug/L |
| sec-Butylbenzene | ND | 1.0 | ug/L |
| tert-Butylbenzene | ND | 1.0 | ug/L |
| Carbon disulfide | ND <i>uJ</i> | 1.0 | ug/L |
| Chlorobenzene | ND | 1.0 | ug/L |
| Dibromochloromethane | ND | 1.0 | ug/L |
| Dichlorodifluoromethane | 2.4 | 1.0 | ug/L |
| Bromodichloromethane | ND | 1.0 | ug/L |
| 1,2-Dichloroethane | ND | 0.50 | ug/L |
| 1,1-Dichloroethene | ND | 1.0 | ug/L |
| Chloroethane | ND | 2.0 | ug/L |
| Chloroform | 3.2 | 1.0 | ug/L |
| Chloromethane | ND | 2.0 | ug/L |
| 2-Chlorotoluene | ND | 1.0 | ug/L |
| 4-Chlorotoluene | ND | 1.0 | ug/L |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L |
| 1,2-Dibromoethane | ND | 1.0 | ug/L |
| Iodomethane | ND | 2.0 | ug/L |
| Isopropyl ether | ND | 2.0 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,1-Dichloroethane | ND | 1.0 | ug/L |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| Vinyl chloride | ND | 0.50 | ug/L |
| 2,2-Dichloropropane | ND <i>uJ</i> | 1.0 | ug/L |
| t-Butanol | ND <i>uJ</i> | 25 | ug/L |
| 1,1-Dichloropropene | ND | 1.0 | ug/L |
| Tert-amyl methyl ether | ND | 2.0 | ug/L |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L |

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A
5803

TAIT ENVIRONMENTAL

Client Sample ID: TMW_10_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-002 Work Order #....: FKTJ51AA Matrix.....: WG

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | |
|-----------------------------|---------------|------------------|-----------------|
| | | <u>LIMIT</u> | <u>UNITS</u> |
| Ethylbenzene | ND | 1.0 | ug/L |
| Hexachlorobutadiene | ND | 1.0 | ug/L |
| 2-Hexanone | ND | 5.0 | ug/L |
| Isopropylbenzene | ND | 1.0 | ug/L |
| p-Isopropyltoluene | ND | 1.0 | ug/L |
| Methylene chloride | ND | 1.0 | ug/L |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L |
| Methyl tert-butyl ether | ND | 1.0 | ug/L |
| n-Propylbenzene | ND | 1.0 | ug/L |
| Styrene | ND | 1.0 | ug/L |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L |
| Tetrachloroethene | 1.0 | 1.0 | ug/L |
| Toluene | 0.58 J | 1.0 | ug/L |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 1,2,4-Trichloro- benzene | ND | 1.0 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| Trichloroethene | 4.9 | 1.0 | ug/L |
| Trichlorofluoromethane | 1.5 J | 2.0 | ug/L |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| Xylenes (total) | ND | 1.0 | ug/L |
| Acrolein | ND uJ | 20 | ug/L |
| Acrylonitrile | ND uJ | 20 | ug/L |
| Vinyl acetate | ND | 5.0 | ug/L |
| Tetrahydrofuran | ND uJ | 10 | ug/L |
| 2-Chloroethyl vinyl ether | ND uJ | 5.0 | ug/L |
| <u>SURROGATE</u> | | <u>PERCENT</u> | <u>RECOVERY</u> |
| | | <u>RECOVERY</u> | <u>LIMITS</u> |
| Bromofluorobenzene | 108 | (75 - 130) | |
| 1,2-Dichloroethane-d4 | 98 | (65 - 135) | |
| Toluene-d8 | 119 | (80 - 130) | |

NOTE(S) :

J Estimated result. Result is less than RL.

A
5-8-03

TAIT ENVIRONMENTAL

Client Sample ID: TMW_11_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-003 Work Order #....: FKTJ71AA Matrix.....: WG
 Date Sampled...: 03/26/03 09:30 Date Received...: 03/26/03 17:45
 Prep Date.....: 03/27/03 Analysis Date...: 03/27/03
 Prep Batch #....: 3086224 Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING | |
|------------------------------|--------|-----------|-------|
| | | LIMIT | UNITS |
| Acetone | 53 J | 100 | ug/L |
| Benzene | ND | 10 | ug/L |
| Bromobenzene | ND | 10 | ug/L |
| Bromochloromethane | ND | 10 | ug/L |
| Bromoform | ND | 10 | ug/L |
| Bromomethane | ND | 20 | ug/L |
| Carbon tetrachloride | 3.4 J | 5.0 | ug/L |
| 2-Butanone | ND | 50 | ug/L |
| n-Butylbenzene | ND | 10 | ug/L |
| sec-Butylbenzene | ND | 10 | ug/L |
| tert-Butylbenzene | ND | 10 | ug/L |
| Carbon disulfide | ND | 10 | ug/L |
| Chlorobenzene | ND | 10 | ug/L |
| Dibromochloromethane | ND | 10 | ug/L |
| Dichlorodifluoromethane | ND | 10 | ug/L |
| Bromodichloromethane | ND | 10 | ug/L |
| 1,2-Dichloroethane | ND | 5.0 | ug/L |
| 1,1-Dichloroethene | ND | 10 | ug/L |
| Chloroethane | ND | 20 | ug/L |
| Chloroform | 390 | 10 | ug/L |
| Chloromethane | ND | 20 | ug/L |
| 2-Chlorotoluene | ND | 10 | ug/L |
| 4-Chlorotoluene | ND | 10 | ug/L |
| 1,2-Dibromo-3-chloro-propane | ND | 20 | ug/L |
| 1,2-Dibromoethane | ND | 10 | ug/L |
| Iodomethane | ND | 20 | ug/L |
| Isopropyl ether | ND | 20 | ug/L |
| 1,2-Dichlorobenzene | ND | 10 | ug/L |
| 1,3-Dichlorobenzene | ND | 10 | ug/L |
| 1,4-Dichlorobenzene | ND | 10 | ug/L |
| 1,1-Dichloroethane | ND | 10 | ug/L |
| cis-1,2-Dichloroethene | ND | 10 | ug/L |
| trans-1,2-Dichloroethene | ND | 10 | ug/L |
| Vinyl chloride | ND | 5.0 | ug/L |
| 2,2-Dichloropropane | ND | 10 | ug/L |
| t-Butanol | ND | 250 | ug/L |
| 1,1-Dichloropropene | ND | 10 | ug/L |
| Tert-amyl methyl ether | ND | 20 | ug/L |
| Tert-butyl ethyl ether | ND | 20 | ug/L |

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J
3/28/03

TAIT ENVIRONMENTAL

Client Sample ID: TMW_11_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-003 Work Order #....: FKTJ71AA Matrix.....: WG

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | |
|-----------------------------|---------------|------------------|-----------------|
| | | <u>LIMIT</u> | <u>UNITS</u> |
| Ethylbenzene | ND | 10 | ug/L |
| Hexachlorobutadiene | ND | 10 | ug/L |
| 2-Hexanone | ND | 50 | ug/L |
| Isopropylbenzene | ND | 10 | ug/L |
| p-Isopropyltoluene | ND | 10 | ug/L |
| Methylene chloride | ND | 10 | ug/L |
| 4-Methyl-2-pentanone | ND | 50 | ug/L |
| Methyl tert-butyl ether | ND | 10 | ug/L |
| n-Propylbenzene | ND | 10 | ug/L |
| Styrene | ND | 10 | ug/L |
| 1,1,1,2-Tetrachloroethane | ND | 10 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 10 | ug/L |
| Tetrachloroethene | 5.8 J | 10 | ug/L |
| Toluene | ND | 10 | ug/L |
| 1,2,3-Trichlorobenzene | ND | 10 | ug/L |
| 1,2,4-Trichloro- benzene | ND | 10 | ug/L |
| 1,1,1-Trichloroethane | ND | 10 | ug/L |
| 1,1,2-Trichloroethane | ND | 10 | ug/L |
| Trichloroethene | 7.1 J | 10 | ug/L |
| Trichlorofluoromethane | ND | 20 | ug/L |
| 1,2,3-Trichloropropane | ND | 10 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 10 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 10 | ug/L |
| Xylenes (total) | ND | 10 | ug/L |
| Acrolein | ND UJ | 200 | ug/L |
| Acrylonitrile | ND UJ | 200 | ug/L |
| Vinyl acetate | ND | 50 | ug/L |
| Tetrahydrofuran | ND UJ | 100 | ug/L |
| 2-Chloroethyl vinyl ether | ND UJ | 50 | ug/L |
| <u>SURROGATE</u> | | <u>PERCENT</u> | <u>RECOVERY</u> |
| | | <u>RECOVERY</u> | <u>LIMITS</u> |
| Bromofluorobenzene | 101 | (75 - 130) | |
| 1,2-Dichloroethane-d4 | 92 | (65 - 135) | |
| Toluene-d8 | 116 | (80 - 130) | |

NOTE(S) :

J Estimated result. Result is less than RL.

A
54W7

TAIT ENVIRONMENTAL

Client Sample ID: TMW_14_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-004 Work Order #....: FKTJ91AA Matrix.....: WG
 Date Sampled...: 03/26/03 10:12 Date Received...: 03/26/03 17:45
 Prep Date.....: 03/27/03 Analysis Date...: 03/27/03
 Prep Batch #....: 3086224 Method.....: SW846 8260B

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | |
|------------------------------|---------------|------------------|--------------|
| | | <u>LIMIT</u> | <u>UNITS</u> |
| Acetone | ND <i>uJ</i> | 10 | ug/L |
| Benzene | ND | 1.0 | ug/L |
| Bromobenzene | ND | 1.0 | ug/L |
| Bromochloromethane | ND | 1.0 | ug/L |
| Bromoform | ND | 1.0 | ug/L |
| Bromomethane | ND | 2.0 | ug/L |
| Carbon tetrachloride | 1.8 | 0.50 | ug/L |
| 2-Butanone | 5.6 <i>J</i> | 5.0 | ug/L |
| n-Butylbenzene | ND | 1.0 | ug/L |
| sec-Butylbenzene | ND | 1.0 | ug/L |
| tert-Butylbenzene | ND | 1.0 | ug/L |
| Carbon disulfide | ND <i>uJ</i> | 1.0 | ug/L |
| Chlorobenzene | ND | 1.0 | ug/L |
| Dibromochloromethane | ND | 1.0 | ug/L |
| Dichlorodifluoromethane | ND | 1.0 | ug/L |
| Bromodichloromethane | ND | 1.0 | ug/L |
| 1,2-Dichloroethane | ND | 0.50 | ug/L |
| 1,1-Dichloroethene | ND | 1.0 | ug/L |
| Chloroethane | ND | 2.0 | ug/L |
| Chloroform | 3.3 | 1.0 | ug/L |
| Chloromethane | ND | 2.0 | ug/L |
| 2-Chlorotoluene | ND | 1.0 | ug/L |
| 4-Chlorotoluene | ND | 1.0 | ug/L |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L |
| 1,2-Dibromoethane | ND | 1.0 | ug/L |
| Iodomethane | ND | 2.0 | ug/L |
| Isopropyl ether | ND | 2.0 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,1-Dichloroethane | ND | 1.0 | ug/L |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| Vinyl chloride | ND | 0.50 | ug/L |
| 2,2-Dichloropropane | ND | 1.0 | ug/L |
| t-Butanol | ND <i>uJ</i> | 25 | ug/L |
| 1,1-Dichloropropene | ND | 1.0 | ug/L |
| Tert-amyl methyl ether | ND | 2.0 | ug/L |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L |

(Continued on next page)

TAIT ENVIRONMENTAL

Client Sample ID: TMW_14_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-004 Work Order #....: FKTJ91AA Matrix.....: WG

| PARAMETER | RESULT | REPORTING | |
|-----------------------------|--------|------------|----------|
| | | LIMIT | UNITS |
| Ethylbenzene | ND | 1.0 | ug/L |
| Hexachlorobutadiene | ND | 1.0 | ug/L |
| 2-Hexanone | ND | 5.0 | ug/L |
| Isopropylbenzene | ND | 1.0 | ug/L |
| p-Isopropyltoluene | ND | 1.0 | ug/L |
| Methylene chloride | ND | 1.0 | ug/L |
| 4-Methyl-2-pantanone | ND | 5.0 | ug/L |
| Methyl tert-butyl ether | ND | 1.0 | ug/L |
| n-Propylbenzene | ND | 1.0 | ug/L |
| Styrene | ND | 1.0 | ug/L |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L |
| Tetrachloroethene | 1.6 | 1.0 | ug/L |
| Toluene | 0.33 J | 1.0 | ug/L |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 1,2,4-Trichloro- benzene | ND | 1.0 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| Trichloroethene | 10 | 1.0 | ug/L |
| Trichlorofluoromethane | ND | 2.0 | ug/L |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| Xylenes (total) | ND | 1.0 | ug/L |
| Acrolein | ND UJ | 20 | ug/L |
| Acrylonitrile | ND UJ | 20 | ug/L |
| Vinyl acetate | ND | 5.0 | ug/L |
| Tetrahydrofuran | ND UJ | 10 | ug/L |
| 2-Chloroethyl vinyl ether | ND UJ | 5.0 | ug/L |
| SURROGATE | | PERCENT | RECOVERY |
| | | RECOVERY | LIMITS |
| Bromofluorobenzene | 103 | (75 - 130) | |
| 1,2-Dichloroethane-d4 | 97 | (65 - 135) | |
| Toluene-d8 | 114 | (80 - 130) | |

NOTE(S) :

J Estimated result. Result is less than RL.

A
J 8/13

TAIT ENVIRONMENTAL

Client Sample ID: TMW_15_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-005 Work Order #....: FTKA1AA Matrix.....: WG
 Date Sampled...: 03/26/03 11:25 Date Received...: 03/26/03 17:45
 Prep Date.....: 03/27/03 Analysis Date...: 03/27/03
 Prep Batch #....: 3086224 Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING | |
|------------------------------|--------------|-----------|-------|
| | | LIMIT | UNITS |
| Acetone | ND <i>US</i> | 10 | ug/L |
| Benzene | ND | 1.0 | ug/L |
| Bromobenzene | ND | 1.0 | ug/L |
| Bromoform | ND | 1.0 | ug/L |
| Bromomethane | ND | 2.0 | ug/L |
| Carbon tetrachloride | ND | 0.50 | ug/L |
| 2-Butanone | ND <i>US</i> | 5.0 | ug/L |
| n-Butylbenzene | ND | 1.0 | ug/L |
| sec-Butylbenzene | ND | 1.0 | ug/L |
| tert-Butylbenzene | ND | 1.0 | ug/L |
| Carbon disulfide | ND <i>US</i> | 1.0 | ug/L |
| Chlorobenzene | ND | 1.0 | ug/L |
| Dibromochloromethane | ND | 1.0 | ug/L |
| Dichlorodifluoromethane | ND | 1.0 | ug/L |
| Bromodichloromethane | ND | 1.0 | ug/L |
| 1,2-Dichloroethane | ND | 0.50 | ug/L |
| 1,1-Dichloroethene | 0.58 J | 1.0 | ug/L |
| Chloroethane | ND | 2.0 | ug/L |
| Chloroform | 4.2 | 1.0 | ug/L |
| Chloromethane | ND | 2.0 | ug/L |
| 2-Chlorotoluene | ND | 1.0 | ug/L |
| 4-Chlorotoluene | ND | 1.0 | ug/L |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L |
| 1,2-Dibromoethane | ND | 1.0 | ug/L |
| Iodomethane | ND | 2.0 | ug/L |
| Isopropyl ether | ND | 2.0 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,1-Dichloroethane | ND | 1.0 | ug/L |
| cis-1,2-Dichloroethene | 2.0 | 1.0 | ug/L |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| Vinyl chloride | ND | 0.50 | ug/L |
| 2,2-Dichloropropane | ND | 1.0 | ug/L |
| t-Butanol | ND <i>US</i> | 25 | ug/L |
| 1,1-Dichloropropene | ND | 1.0 | ug/L |
| Tert-amyl methyl ether | ND | 2.0 | ug/L |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L |

(Continued on next page)

*A
J 1607*

TAIT ENVIRONMENTAL

Client Sample ID: TMW_15_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-005 Work Order #....: FTKA1AA Matrix.....: WG

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | |
|-----------------------------|---------------|------------------|--------------|
| | | <u>LIMIT</u> | <u>UNITS</u> |
| Ethylbenzene | ND | 1.0 | ug/L |
| Hexachlorobutadiene | ND | 1.0 | ug/L |
| 2-Hexanone | ND | 5.0 | ug/L |
| Isopropylbenzene | ND | 1.0 | ug/L |
| p-Isopropyltoluene | ND | 1.0 | ug/L |
| Methylene chloride | ND | 1.0 | ug/L |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L |
| Methyl tert-butyl ether | ND | 1.0 | ug/L |
| n-Propylbenzene | ND | 1.0 | ug/L |
| Styrene | ND | 1.0 | ug/L |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L |
| Tetrachloroethene | ND | 1.0 | ug/L |
| Toluene | 2.5 | 1.0 | ug/L |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 1,2,4-Trichloro- benzene | ND | 1.0 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| Trichloroethene | 26 | 1.0 | ug/L |
| Trichlorofluoromethane | ND | 2.0 | ug/L |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 1,2,4-Trimethylbenzene | 0.42 J | 1.0 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| Xylenes (total) | ND | 1.0 | ug/L |
| Acrolein | ND <i>uJ</i> | 20 | ug/L |
| Acrylonitrile | ND <i>uJ</i> | 20 | ug/L |
| Vinyl acetate | ND | 5.0 | ug/L |
| Tetrahydrofuran | ND <i>uJ</i> | 10 | ug/L |
| 2-Chloroethyl vinyl ether | ND <i>uJ</i> | 5.0 | ug/L |

| <u>SURROGATE</u> | <u>PERCENT</u> | <u>RECOVERY</u> |
|-----------------------|-----------------|-----------------|
| | <u>RECOVERY</u> | <u>LIMITS</u> |
| Bromofluorobenzene | 102 | (75 - 130) |
| 1,2-Dichloroethane-d4 | 102 | (65 - 135) |
| Toluene-d8 | 113 | (80 - 130) |

NOTE(S) :

J Estimated result. Result is less than RL.



TAIT ENVIRONMENTAL

Client Sample ID: WCC_9S_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-006 Work Order #....: FKTKD1AA Matrix.....: WG
 Date Sampled...: 03/26/03 12:25 Date Received...: 03/26/03 17:45
 Prep Date.....: 03/27/03 Analysis Date...: 03/27/03
 Prep Batch #....: 3086224 Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING | |
|------------------------------|--------------|-----------|-------|
| | | LIMIT | UNITS |
| Acetone | ND <i>u5</i> | 1.0 | ug/L |
| Benzene | ND | 1.0 | ug/L |
| Bromobenzene | ND | 1.0 | ug/L |
| Bromoform | ND | 1.0 | ug/L |
| Bromomethane | ND | 2.0 | ug/L |
| Carbon tetrachloride | ND | 0.50 | ug/L |
| 2-Butanone | ND <i>u5</i> | 5.0 | ug/L |
| n-Butylbenzene | ND | 1.0 | ug/L |
| sec-Butylbenzene | ND | 1.0 | ug/L |
| tert-Butylbenzene | ND | 1.0 | ug/L |
| Carbon disulfide | ND <i>u5</i> | 1.0 | ug/L |
| Chlorobenzene | ND | 1.0 | ug/L |
| Dibromochloromethane | ND | 1.0 | ug/L |
| Dichlorodifluoromethane | 0.48 J | 1.0 | ug/L |
| Bromodichloromethane | ND | 1.0 | ug/L |
| 1,2-Dichloroethane | ND | 0.50 | ug/L |
| 1,1-Dichloroethene | 3.7 | 1.0 | ug/L |
| Chloroethane | ND | 2.0 | ug/L |
| Chloroform | 12 | 1.0 | ug/L |
| Chloromethane | ND | 2.0 | ug/L |
| 2-Chlorotoluene | ND | 1.0 | ug/L |
| 4-Chlorotoluene | ND | 1.0 | ug/L |
| 1,2-Dibromo-3-chloro-propane | ND | 2.0 | ug/L |
| 1,2-Dibromoethane | ND | 1.0 | ug/L |
| Iodomethane | ND | 2.0 | ug/L |
| Isopropyl ether | ND | 2.0 | ug/L |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L |
| 1,1-Dichloroethane | 1.1 | 1.0 | ug/L |
| cis-1,2-Dichloroethene | 3.2 | 1.0 | ug/L |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L |
| Vinyl chloride | ND | 0.50 | ug/L |
| 2,2-Dichloropropane | ND | 1.0 | ug/L |
| t-Butanol | ND <i>u5</i> | 25 | ug/L |
| 1,1-Dichloropropene | ND | 1.0 | ug/L |
| Tert-amyl methyl ether | ND | 2.0 | ug/L |
| Tert-butyl ethyl ether | ND | 2.0 | ug/L |

(Continued on next page)

A
5-46473

TAIT ENVIRONMENTAL

Client Sample ID: WCC_9S_WG032603_0001

GC/MS Volatiles

Lot-Sample #...: E3C260341-006 Work Order #...: FKTKD1AA Matrix.....: WG

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> |
|-----------------------------|-----------------------------|----------------------------|--------------|
| Ethylbenzene | ND | 1.0 | ug/L |
| Hexachlorobutadiene | ND | 1.0 | ug/L |
| 2-Hexanone | ND | 5.0 | ug/L |
| Isopropylbenzene | ND | 1.0 | ug/L |
| p-Isopropyltoluene | ND | 1.0 | ug/L |
| Methylene chloride | ND | 1.0 | ug/L |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L |
| Methyl tert-butyl ether | ND | 1.0 | ug/L |
| n-Propylbenzene | ND | 1.0 | ug/L |
| Styrene | ND | 1.0 | ug/L |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | ug/L |
| Tetrachloroethene | 0.31 J | 1.0 | ug/L |
| Toluene | ND | 1.0 | ug/L |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L |
| 1,2,4-Trichloro- benzene | ND | 1.0 | ug/L |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L |
| Trichloroethene | 29 | 1.0 | ug/L |
| Trichlorofluoromethane | 0.40 J | 2.0 | ug/L |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L |
| Xylenes (total) | ND | 1.0 | ug/L |
| Acrolein | ND UJ | 20 | ug/L |
| Acrylonitrile | ND UJ | 20 | ug/L |
| Vinyl acetate | ND | 5.0 | ug/L |
| Tetrahydrofuran | ND UJ | 10 | ug/L |
| 2-Chloroethyl vinyl ether | ND UJ | 5.0 | ug/L |
| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | |
| Bromofluorobenzene | 103 | (75 - 130) | |
| 1,2-Dichloroethane-d4 | 98 | (65 - 135) | |
| Toluene-d8 | 116 | (80 - 130) | |

NOTE(S) :

J Estimated result. Result is less than RL.

A
5/16/03

TAIT ENVIRONMENTAL

Client Sample ID: TMW_6_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-007 Work Order #....: FKTKH1AA Matrix.....: WG
 Date Sampled....: 03/26/03 13:55 Date Received...: 03/26/03 17:45
 Prep Date.....: 03/27/03 Analysis Date...: 03/27/03
 Prep Batch #....: 3086224 Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING | |
|----------------------------------|--------------|-----------|-------|
| | | LIMIT | UNITS |
| Acetone | ND <i>uJ</i> | 50 | ug/L |
| Benzene | ND | 5.0 | ug/L |
| Bromobenzene | ND | 5.0 | ug/L |
| Bromochloromethane | ND | 5.0 | ug/L |
| Bromoform | ND | 5.0 | ug/L |
| Bromomethane | ND | 10 | ug/L |
| Carbon tetrachloride | ND | 2.5 | ug/L |
| 2-Butanone | ND <i>uJ</i> | 25 | ug/L |
| n-Butylbenzene | ND | 5.0 | ug/L |
| sec-Butylbenzene | ND | 5.0 | ug/L |
| tert-Butylbenzene | ND | 5.0 | ug/L |
| Carbon disulfide | ND <i>uJ</i> | 5.0 | ug/L |
| Chlorobenzene | ND | 5.0 | ug/L |
| Dibromochloromethane | ND | 5.0 | ug/L |
| Dichlorodifluoromethane | ND | 5.0 | ug/L |
| Bromodichloromethane | ND | 5.0 | ug/L |
| 1,2-Dichloroethane | ND | 2.5 | ug/L |
| 1,1-Dichloroethene | 6.0 | 5.0 | ug/L |
| Chloroethane | ND | 10 | ug/L |
| Chloroform | 170 | 5.0 | ug/L |
| Chloromethane | ND | 10 | ug/L |
| 2-Chlorotoluene | ND | 5.0 | ug/L |
| 4-Chlorotoluene | ND | 5.0 | ug/L |
| 1,2-Dibromo-3-chloro- propane | ND | 10 | ug/L |
| 1,2-Dibromoethane | ND | 5.0 | ug/L |
| Iodomethane | ND | 10 | ug/L |
| Isopropyl ether | ND | 10 | ug/L |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/L |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/L |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/L |
| 1,1-Dichloroethane | ND | 5.0 | ug/L |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/L |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/L |
| Vinyl chloride | ND | 2.5 | ug/L |
| 2,2-Dichloropropane | ND | 5.0 | ug/L |
| t-Butanol | ND <i>uJ</i> | 120 | ug/L |
| 1,1-Dichloropropene | ND | 5.0 | ug/L |
| Tert-amyl methyl ether | ND | 10 | ug/L |
| Tert-butyl ethyl ether | ND | 10 | ug/L |

(Continued on next page)

*A
5/8/03*

TAIT ENVIRONMENTAL

Client Sample ID: TMW_6_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-007 Work Order #....: FKTKH1AA Matrix.....: WG

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING LIMIT</u> | <u>UNITS</u> |
|-----------------------------|---------------|----------------------------|--------------|
| Ethylbenzene | ND | 5.0 | ug/L |
| Hexachlorobutadiene | ND | 5.0 | ug/L |
| 2-Hexanone | ND | 25 | ug/L |
| Isopropylbenzene | ND | 5.0 | ug/L |
| p-Isopropyltoluene | ND | 5.0 | ug/L |
| Methylene chloride | ND | 5.0 | ug/L |
| 4-Methyl-2-pentanone | ND | 25 | ug/L |
| Methyl tert-butyl ether | ND | 5.0 | ug/L |
| n-Propylbenzene | ND | 5.0 | ug/L |
| Styrene | ND | 5.0 | ug/L |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ug/L |
| Tetrachloroethene | ND | 5.0 | ug/L |
| Toluene | ND | 5.0 | ug/L |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/L |
| 1,2,4-Trichloro- benzene | ND | 5.0 | ug/L |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/L |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/L |
| Trichloroethene | 67 | 5.0 | ug/L |
| Trichlorofluoromethane | ND | 10 | ug/L |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/L |
| Xylenes (total) | ND | 5.0 | ug/L |
| Acrolein | ND <i>uj</i> | 100 | ug/L |
| Acrylonitrile | ND <i>uj</i> | 100 | ug/L |
| Vinyl acetate | ND | 25 | ug/L |
| Tetrahydrofuran | ND <i>uj</i> | 50 | ug/L |
| 2-Chloroethyl vinyl ether | ND <i>uj</i> | 25 | ug/L |

| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|-----------------------|-----------------------------|----------------------------|
| Bromofluorobenzene | 97 | (75 - 130) |
| 1,2-Dichloroethane-d4 | 96 | (65 - 135) |
| Toluene-d8 | 106 | (80 - 130) |

*A
5-4003*

TAIT ENVIRONMENTAL

Client Sample ID: TMW_9_WG032603_0001

GC/MS Volatiles

Lot-Sample #....: E3C260341-008 Work Order #....: FKTKJ1AA Matrix.....: WG
 Date Sampled...: 03/26/03 14:42 Date Received...: 03/26/03 17:45
 Prep Date.....: 03/27/03 Analysis Date...: 03/27/03
 Prep Batch #....: 3086224 Method.....: SW846 8260B

| PARAMETER | RESULT | REPORTING | |
|----------------------------------|--------------|-----------|-------|
| | | LIMIT | UNITS |
| Acetone | ND <i>uJ</i> | 250 | ug/L |
| Benzene | ND | 25 | ug/L |
| Bromobenzene | ND | 25 | ug/L |
| Bromochloromethane | ND | 25 | ug/L |
| Bromoform | ND | 25 | ug/L |
| Bromomethane | ND | 50 | ug/L |
| Carbon tetrachloride | ND | 12 | ug/L |
| 2-Butanone | ND <i>uJ</i> | 120 | ug/L |
| n-Butylbenzene | ND | 25 | ug/L |
| sec-Butylbenzene | ND | 25 | ug/L |
| tert-Butylbenzene | ND | 25 | ug/L |
| Carbon disulfide | ND <i>uJ</i> | 25 | ug/L |
| Chlorobenzene | ND | 25 | ug/L |
| Dibromochloromethane | ND | 25 | ug/L |
| Dichlorodifluoromethane | ND | 25 | ug/L |
| Bromodichloromethane | ND | 25 | ug/L |
| 1,2-Dichloroethane | ND | 12 | ug/L |
| 1,1-Dichloroethene | 240 | 25 | ug/L |
| Chloroethane | ND | 50 | ug/L |
| Chloroform | ND | 25 | ug/L |
| Chloromethane | ND | 50 | ug/L |
| 2-Chlorotoluene | ND | 25 | ug/L |
| 4-Chlorotoluene | ND | 25 | ug/L |
| 1,2-Dibromo-3-chloro- propane | ND | 50 | ug/L |
| 1,2-Dibromoethane | ND | 25 | ug/L |
| Iodomethane | ND | 50 | ug/L |
| Isopropyl ether | ND | 50 | ug/L |
| 1,2-Dichlorobenzene | ND | 25 | ug/L |
| 1,3-Dichlorobenzene | ND | 25 | ug/L |
| 1,4-Dichlorobenzene | ND | 25 | ug/L |
| 1,1-Dichloroethane | ND | 25 | ug/L |
| cis-1,2-Dichloroethene | 11 J | 25 | ug/L |
| trans-1,2-Dichloroethene | ND | 25 | ug/L |
| Vinyl chloride | ND | 12 | ug/L |
| 2,2-Dichloropropane | ND | 25 | ug/L |
| t-Butanol | ND <i>uJ</i> | 620 | ug/L |
| 1,1-Dichloropropene | ND | 25 | ug/L |
| Tert-amyl methyl ether | ND | 50 | ug/L |
| Tert-butyl ethyl ether | ND | 50 | ug/L |

(Continued on next page)

A
3/26/03

TAIT ENVIRONMENTAL

Client Sample ID: TMW_9_WG032603_0001

GC/MS Volatiles

Lot-Sample #...: E3C260341-008 Work Order #...: FKTKJ1AA Matrix.....: WG

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u> | |
|-----------------------------|-----------------------------|----------------------------|--------------|
| | | <u>LIMIT</u> | <u>UNITS</u> |
| Ethylbenzene | ND | 25 | ug/L |
| Hexachlorobutadiene | ND | 25 | ug/L |
| 2-Hexanone | ND | 120 | ug/L |
| Isopropylbenzene | ND | 25 | ug/L |
| p-Isopropyltoluene | ND | 25 | ug/L |
| Methylene chloride | ND | 25 | ug/L |
| 4-Methyl-2-pentanone | ND | 120 | ug/L |
| Methyl tert-butyl ether | ND | 25 | ug/L |
| n-Propylbenzene | ND | 25 | ug/L |
| Styrene | ND | 25 | ug/L |
| 1,1,1,2-Tetrachloroethane | ND | 25 | ug/L |
| 1,1,2,2-Tetrachloroethane | ND | 25 | ug/L |
| Tetrachloroethene | ND | 25 | ug/L |
| Toluene | ND | 25 | ug/L |
| 1,2,3-Trichlorobenzene | ND | 25 | ug/L |
| 1,2,4-Trichloro- benzene | ND | 25 | ug/L |
| 1,1,1-Trichloroethane | ND | 25 | ug/L |
| 1,1,2-Trichloroethane | ND | 25 | ug/L |
| Trichloroethene | 900 | 25 | ug/L |
| Trichlorofluoromethane | ND | 50 | ug/L |
| 1,2,3-Trichloropropane | ND | 25 | ug/L |
| 1,2,4-Trimethylbenzene | ND | 25 | ug/L |
| 1,3,5-Trimethylbenzene | ND | 25 | ug/L |
| Xylenes (total) | ND | 25 | ug/L |
| Acrolein | ND <i>UJ</i> | 500 | ug/L |
| Acrylonitrile | ND <i>UJ</i> | 500 | ug/L |
| Vinyl acetate | ND | 120 | ug/L |
| Tetrahydrofuran | ND <i>UJ</i> | 250 | ug/L |
| 2-Chloroethyl vinyl ether | ND <i>UJ</i> | 120 | ug/L |
| <u>SURROGATE</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | |
| Bromofluorobenzene | 99 | (75 - 130) | |
| 1,2-Dichloroethane-d4 | 95 | (65 - 135) | |
| Toluene-d8 | 110 | (80 - 130) | |

NOTE(S) :

J Estimated result. Result is less than RL.

A
5-6-07

LDC #: 10208A1

SDG #: E3C260341

Laboratory: Severn Trent Laboratories, Inc.

VALIDATION COMPLETENESS WORKSHEET

Level Tier 2/3

Date: 5/1/03

Page: 1 of 1

Reviewer: T

2nd Reviewer: J

METHOD: GC/MS Volatiles (EPA SW 846 Method 8260B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|-------|--|---|--------------------------------------|
| I. | Technical holding times | A | Sampling dates: 2/15/03 3/26/03 |
| II. | GC/MS Instrument performance check | A | |
| III. | Initial calibration | M | |
| IV. | Continuing calibration | M | |
| V. | Blanks | A | |
| VI. | Surrogate spikes | A | |
| VII. | Matrix spike/Matrix spike duplicates | A | |
| VIII. | Laboratory control samples | A | CCS |
| IX. | Regional Quality Assurance and Quality Control | N | |
| X. | Internal standards | A | |
| XI. | Target compound identification | A | Not reviewed for Tier II validation. |
| XII. | Compound quantitation/CRQLs | A | Not reviewed for Tier II validation. |
| XIII. | Tentatively identified compounds (TICs) | N | Not reviewed for Tier II validation. |
| XIV. | System performance | A | Not reviewed for Tier II validation. |
| XV. | Overall assessment of data | A | |
| XVI. | Field duplicates | N | |
| XVII. | Field blanks | M | TB = 1 . |

Note:
 A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

Validated Samples: ** Indicates sample underwent Tier III validation

WTBOS

| | | | | | | | |
|----|-------------------------|----|------------|----|--|----|--|
| 1 | TB_TAIT032603_0001 | 11 | 3086224 MB | 21 | | 31 | |
| 2 | TMW_10_WG032603_0001** | 12 | | 22 | | 32 | |
| 3 | TMW_11_WG032603_0001** | 13 | | 23 | | 33 | |
| 4 | TMW_14_WG032603_0001** | 14 | | 24 | | 34 | |
| 5 | TMW_15_WG032603_0001 | 15 | | 25 | | 35 | |
| 6 | WCC_9S_WG032603_0001 | 16 | | 26 | | 36 | |
| 7 | TMW_6_WG032603_0001 | 17 | | 27 | | 37 | |
| 8 | TMW_9_WG032603_0001 | 18 | | 28 | | 38 | |
| 9 | TMW_10_WG032603_0001MS | 19 | | 29 | | 39 | |
| 10 | TMW_10_WG032603_0001MSD | 20 | | 30 | | 40 | |

LDC #: 10208A
SDG #: E3C260341

VALIDATION FINDINGS CHECKLIST

Page: 1 of 3
Reviewer: d
2nd Reviewer: A

Method: Volatiles (EPA SW 846 Method 8260B)

| Validation Area | Yes | No | NA | Findings/Comments |
|--|-----|----|----|-------------------|
| I. Technical holding times | | | | |
| All technical holding times were met. | / | | | |
| Cooler temperature criteria was met. | / | | | |
| II. GC/MS Instrument performance check | | | | |
| Were the BFB performance results reviewed and found to be within the specified criteria? | | | | |
| Were all samples analyzed within the 12 hour clock criteria? | | | | |
| III. Initial calibration | | | | |
| Did the laboratory perform a 5 point calibration prior to sample analysis? | | | | |
| Were all percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCCs and SPCCs? | | | | |
| Was a curve fit used for evaluation? If Yes, what was the acceptance criteria used? | | | | |
| Did the initial calibration meet the curve fit acceptance criteria? | | | | |
| Were all percent relative standard deviations (%RSD) \leq 30% and relative response factors (RRF) \geq 0.05? | | | | |
| IV. Continuing calibration | | | | |
| Was a continuing calibration standard analyzed at least once every 12 hours for each instrument? | | | | |
| Were all percent differences (%D) and relative response factors (RRF) within method criteria for all CCCs and SPCCs? | | | | |
| Were all percent differences (%D) \leq 25% and relative response factors (RRF) \geq 0.05? | | | | |
| V. Blanks | | | | |
| Was a method blank associated with every sample in this SDG? | / | | | |
| Was a method blank analyzed at least once every 12 hours for each matrix and concentration? | / | | | |
| Was there contamination in the method blanks? If yes, please see the Blanks validation completeness worksheet. | / | | | |
| VI. Surrogate spikes | | | | |
| Were all surrogate %R within QC limits? | / | | | |
| If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria? | | | / | |
| VII. Matrix spike/Matrix spike duplicates | | | | |
| Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water. | / | | | |
| Was a MS/MSD analyzed every 20 samples of each matrix? | / | | | |
| Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits? | / | | | |

LDC #: 10208A1
SDG #: EBC260341

VALIDATION FINDINGS CHECKLIST

Page: 2 of 3
Reviewer: 9
2nd Reviewer: A

| Validation Area | Yes | No | NA | Findings/Comments |
|--|-----|----|----|-------------------|
| VIII. Laboratory control samples | | | | |
| Was an LCS analyzed for this SDG? | / | | | |
| Was an LCS analyzed per analytical batch? | / | | | |
| Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits? | / | | | |
| IX. Regional Quality Assurance and Quality Control | | | | |
| Were performance evaluation (PE) samples performed? | | / | | |
| Were the performance evaluation (PE) samples within the acceptance limits? | | | / | |
| X. Internal standards | | | | |
| Were internal standard area counts within -50% or +100% of the associated calibration standard? | | | | |
| Were retention times within \pm 30 seconds of the associated calibration standard? | | | | |
| XI. Target compound identification | | | | |
| Were relative retention times (RRT's) within \pm 0.06 RRT units of the standard? | / | | | |
| Did compound spectra meet specified EPA "Functional Guidelines" criteria? | / | | | |
| Were chromatogram peaks verified and accounted for? | / | | | |
| XII. Compound quantitation/CRQLs | | | | |
| Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound? | / | | | |
| Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation? | / | | | |
| XIII. Tentatively identified compounds (TICs) | | | | |
| Were the major ions (> 10 percent relative intensity) in the reference spectrum evaluated in sample spectrum? | | | / | |
| Were relative intensities of the major ions within \pm 20% between the sample and the reference spectra? | | | / | |
| Did the raw data indicate that the laboratory performed a library search for all required peaks in the chromatograms (samples and blanks)? | | / | | |
| XIV. System performance | | | | |
| System performance was found to be acceptable. | / | | | |
| XV. Overall assessment of data | | | | |
| Overall assessment of data was found to be acceptable. | / | | | |
| XVI. Field duplicates | | | | |
| Field duplicate pairs were identified in this SDG. | | / | | |
| Target compounds were detected in the field duplicates. | | | / | |

LDC #: 10208A1
SDG #: E3C260341

VALIDATION FINDINGS CHECKLIST

Page: 3 of 3
Reviewer: J
2nd Reviewer: J

| Validation Area | Yes | No | NA | Findings/Comments |
|---|-----|----|----|-------------------|
| XVII. Field blanks | | | | |
| Field blanks were identified in this SDG. | X | | | |
| Target compounds were detected in the field blanks. | X | | | |

LDC #: 1020 (4)
SDG #: E3C26034

VALIDATION FINL GS WORKSHEET

P _____ / of _____

Reviewer: of

2nd Reviewer: *[Signature]*

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?

Were percent relative standard deviations (%RSR) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?

Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?

Was a surveyor used for evaluation? If yes, what was the surveyor's name?

Were all %RSDs and RRFs within the validation criteria of $\leq 30\%$ RSD and ≥ 0.05 RRF?

LDC #: 10208A1
SDG #: E3C36034

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: _____ of _____
Reviewer: _____ ✓
2nd Reviewer: _____

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

N NA Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?

Were all %D and RRFs within the validation criteria of $\leq 25\% D$ and $\geq 0.05 RRF$?

*good response

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

| | | | | |
|------------------------------|--------------------------------|---------------------------------|--|------------------------------|
| A. Chloromethane* | S. Trichloroethene | KK. Trichlorofluoromethane | CCC. tert-Butylbenzene | UUU. Benzyl chloride |
| B. Bromomethane | T. Dibromochloromethane | LL. Methyl-tert-butyl ether | DDD. 1,2,4-Trimethylbenzene | VVV. 4-Ethyltoluene |
| C. Vinyl chloride** | U. 1,1,2-Trichloroethane | MM. 1,2-Dibromo-3-chloropropane | EEE. sec-Butylbenzene | WWW. Ethanol |
| D. Chloroethane | V. Benzene | NN. Diethyl ether | FFF. 1,3-Dichlorobenzene | XXX. Ethyl ether |
| E. Methylene chloride | W. trans-1,3-Dichloropropene | OO. 2,2-Dichloropropane | GGG. p-Isopropyltoluene | YYY. tert-Butanol |
| F. Acetone | X. Bromoform* | PP. Bromochloromethane | HHH. 1,4-Dichlorobenzene | ZZZ. tert-Butyl alcohol |
| G. Carbon disulfide | Y. 4-Methyl-2-pentanone | QQ. 1,1-Dichloropropene | III. n-Butylbenzene | AAAA. Ethyl tert-butyl ether |
| H. 1,1-Dichloroethene** | Z. 2-Hexanone | RR. Dibromomethane | JJJ. 1,2-Dichlorobenzene | BBBB. tert-Amyl methyl ether |
| I. 1,1-Dichloroethane* | AA. Tetrachloroethene | SS. 1,3-Dichloropropane | KKK. 1,2,4-Trichlorobenzene | CCCC. 1-Chlorohexane |
| J. 1,2-Dichloroethene, total | BB. 1,1,2,2-Tetrachloroethane* | TT. 1,2-Dibromoethane | LLL. Hexachlorobutadiene | DDDD. Isopropyl alcohol |
| K. Chloroform** | CC. Toluene** | UU. 1,1,1,2-Tetrachloroethane | MMM. Naphthalene | EEEE. Acetonitrile |
| L. 1,2-Dichloroethane | DD. Chlorobenzene* | VV. Isopropylbenzene | NNN. 1,2,3-Trichlorobenzene | FFFF. Acrolein |
| M. 2-Butanone | EE. Ethylbenzene** | WW. Bromobenzene | OOO. 1,3,5-Trichlorobenzene | GGGG. Acrylonitrile |
| N. 1,1,1-Trichloroethane | FF. Styrene | XX. 1,2,3-Trichloropropane | PPP. trans-1,2-Dichloroethene | HHHH. 1,4-Dioxane |
| O. Carbon tetrachloride | GG. Xylenes, total | YY. n-Propylbenzene | QQQ. cis-1,2-Dichloroethene | IIII. Isobutyl alcohol |
| P. Bromodichloromethane | HH. Vinyl acetate | ZZ. 2-Chlorotoluene | RRR. m,p-Xylenes | JJJJ. Methacrylonitrile |
| Q. 1,2-Dichloropropane** | II. 2-Chloroethyl/vinyl ether | AAA. 1,3,5-Trimethylbenzene | SSS. o-Xylene | KKKK. Propionitrile |
| R. cis-1,3-Dichloropropene | JJ. Dichlorodifluoromethane | BBB. 4-Chlorotoluene | TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane | LLLL. + - Butanol |

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

MMMM. Tetrahydrofuran

LDC #: 10208A1
SDG #: E3C2603F

VALIDATION FINDINGS WORKSHEET
Field Blanks

Page: 1 of 1
Reviewer: D
2nd reviewer: R

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

N N/A
 N N/A

Were field blanks identified in this SDG?

Were target compounds detected in the field blanks?

Sample: _____ Field Blank / Trip Blank / Rinsate / Other _____ (circle one)

| Compound | Concentration Units (<u>µg</u>) |
|----------|-----------------------------------|
| F | 5.3 |
| | |
| | |
| | |
| | |
| | |

Sample: _____ Field Blank / Trip Blank / Rinsate / Other _____ (circle one)

| Compound | Concentration Units () |
|----------|-------------------------|
| | |
| | |
| | |
| | |
| | |
| | |

Sample: _____ Field Blank / Trip Blank / Rinsate / Other _____ (circle one)

| Compound | Concentration Units () |
|----------|-------------------------|
| | |
| | |
| | |
| | |
| | |
| | |

LDC #: 10-881
SDG #: E3C260341

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer:
2nd Reviewer: RL

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$\text{RRF} = (A_x)(C_s)/(A_s)(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\% \text{RSD} = 100 * (\text{S}/\bar{x})$$

A_x = Area of compound,

C_x = Concentration of compound,

S = Standard deviation of the RRFs

A_s = Area of associated internal standard

C_s = Concentration of internal standard

X = Mean of the RRFs

| # | Standard ID | Calibration Date | Compound (Reference Internal Standard) | Reported | Recalculated | Reported | Recalculated | Reported | Recalculated |
|---|-------------|------------------|--|-----------------|-----------------|--------------------------|--------------------------|----------|--------------|
| | | | | RRF (10 std) | RRF (10 std) | Average RRF (initial) | Average RRF (initial) | %RSD | %RSD |
| 1 | <u>10A1</u> | <u>3/14/03</u> | Methylene chloride (1st internal standard) | 0.54803 | 0.54803 | 0.54294 | 0.54294 | 5.750 | 5.750 |
| | | | Trichlorethene (2nd internal standard) | 0.54110 | 0.54110 | 0.53884 | 0.53884 | 8.603 | 8.604 |
| | | | Toluene (3rd internal standard) | 2.68592 | 2.68592 | 2.77843 | 2.77843 | 4.320 | 4.320 |
| 2 | | | Methylene chloride (1st internal standard) | | | | | | |
| | | | Trichlorethene (2nd internal standard) | | | | | | |
| | | | Toluene (3rd internal standard) | | | | | | |
| 3 | | | Methylene chloride (1st internal standard) | | | | | | |
| | | | Trichlorethene (2nd internal standard) | | | | | | |
| | | | Toluene (3rd internal standard) | | | | | | |
| 4 | | | Methylene chloride (1st internal standard) | | | | | | |
| | | | Trichlorethene (2nd internal standard) | | | | | | |
| | | | Toluene (3rd internal standard) | | | | | | |

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 10208A1
SDG #: E3C-60341

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JK
2nd Reviewer: JK

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF})/\text{ave. RRF}$$
$$\text{RRF} = (A_x)(C_b)/(A_b)(C_x)$$

Where: ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

A_x = Area of compound,

A_b = Area of associated internal standard

C_x = Concentration of compound,

C_b = Concentration of internal standard

| # | Standard ID | Calibration Date | Compound (Reference Internal Standard) | Average RRF (Initial) | Reported | Recalculated | Reported | Recalculated |
|---|---------------|------------------|--|-----------------------|----------|--------------|----------|--------------|
| | | | | | RRF (CC) | RRF (CC) | %D | %D |
| 1 | <u>H53525</u> | <u>3/26/03</u> | Methylene chloride (1st internal standard) | 0.54294 | 0.49381 | 0.49381 | 9.0 | 9.0 |
| | | | Trichlorethene (2nd internal standard) | 0.53884 | 0.52610 | 0.52610 | 2.4 | 2.4 |
| | | | Toluene (3rd internal standard) | 2.77843 | 2.77987 | 2.77987 | 0.1 | 0.1 |
| 2 | | | Methylene chloride (1st internal standard) | | | | | |
| | | | Trichlorethene (2nd internal standard) | | | | | |
| | | | Toluene (3rd internal standard) | | | | | |
| 3 | | | Methylene chloride (1st internal standard) | | | | | |
| | | | Trichlorethene (2nd internal standard) | | | | | |
| | | | Toluene (3rd internal standard) | | | | | |
| 4 | | | Methylene chloride (1st internal standard) | | | | | |
| | | | Trichlorethene (2nd internal standard) | | | | | |
| | | | Toluene (3rd internal standard) | | | | | |

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 10208A1
SDG #: 23C76034

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1
Reviewer: 2
2nd reviewer: 2

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

→ percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 2

| | Surrogate Spiked | Surrogate Found | Percent Recovery Reported | Percent Recovery Recalculated | Percent Difference |
|-----------------------|------------------|-----------------|---------------------------|-------------------------------|--------------------|
| Toluene-d8 | 10 | 11.8939 | 119 | 119 | 0 |
| Bromofluorobenzene | 1 | 10.7643 | 108 | 108 | |
| 1,2-Dichloroethane-d4 | ↓ | 9.83630 | 98 | 98 | 0 |
| Dibromofluoromethane | | | | | |

Sample ID: _____

| | Surrogate Spiked | Surrogate Found | Percent Recovery Reported | Percent Recovery Recalculated | Percent Difference |
|-----------------------|------------------|-----------------|---------------------------|-------------------------------|--------------------|
| Toluene-d8 | | | | | |
| Bromofluorobenzene | | | | | |
| 1,2-Dichloroethane-d4 | | | | | |
| Dibromofluoromethane | | | | | |

Sample ID: _____

| | Surrogate Spiked | Surrogate Found | Percent Recovery Reported | Percent Recovery Recalculated | Percent Difference |
|-----------------------|------------------|-----------------|---------------------------|-------------------------------|--------------------|
| Toluene-d8 | | | | | |
| Bromofluorobenzene | | | | | |
| 1,2-Dichloroethane-d4 | | | | | |
| Dibromofluoromethane | | | | | |

Sample ID: _____

| | Surrogate Spiked | Surrogate Found | Percent Recovery Reported | Percent Recovery Recalculated | Percent Difference |
|-----------------------|------------------|-----------------|---------------------------|-------------------------------|--------------------|
| Toluene-d8 | | | | | |
| Bromofluorobenzene | | | | | |
| 1,2-Dichloroethane-d4 | | | | | |
| Dibromofluoromethane | | | | | |

Sample ID: _____

| | Surrogate Spiked | Surrogate Found | Percent Recovery Reported | Percent Recovery Recalculated | Percent Difference |
|-----------------------|------------------|-----------------|---------------------------|-------------------------------|--------------------|
| Toluene-d8 | | | | | |
| Bromofluorobenzene | | | | | |
| 1,2-Dichloroethane-d4 | | | | | |
| Dibromofluoromethane | | | | | |

LDC #: 10208A1
SDG #: E3C26034

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer:
2nd Reviewer: TC

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Recovery} = 100 * (\text{SSC} - \text{SC}) / \text{SA}$$

Where: SSC = Spiked sample concentration
SA = Spike added

SC = Sample concentration

$$\text{RPD} = | \text{MSC} - \text{MSDC} | * 2 / (\text{MSC} + \text{MSDC})$$

MSC = Matrix spike percent recovery

MSDC = Matrix spike duplicate percent recovery

MS/MSD sample: 9/10

| Compound | Spike Added (μg) | | Sample Concentration (μg) | Spiked Sample Concentration (μg) | | Matrix Spike | | Matrix Spike Duplicate | | MS/MSD | |
|--------------------|-------------------------------|-----|--|---|------|--------------|------------------|------------------------|----------|---------|----------|
| | MS | MSD | | ----- | MS | MSD | Percent Recovery | Percent Recovery | Reported | Recalc. | Reported |
| 1,1-Dichloroethene | 10 | 10 | ND | 11.2 | 10.7 | 112 | 112 | 107 | 107 | 4.3 | 4.6 |
| Trichloroethene | 1 | | 4.9 | 15.1 | 14.8 | 103 | 102 | 99 | 99 | 2.4 | 2.0 |
| Benzene | | | ND | 10.6 | 10.5 | 106 | 106 | 105 | 105 | 0.56 | 0.95 |
| Toluene | | | 0.58 | 11.2 | 11.5 | 107 | 106 | 109 | 109 | 2.0 | 2.6 |
| Chlorobenzene | | | ND | 10.2 | 10.3 | 102 | 102 | 103 | 103 | 0.68 | 0.98 |

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 15 3A1
SDG #: E = 60 34

VALIDATION FILE NGS WORKSHEET

Laboratory Control Sample Results Verification

e: _____ of _____

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = 100 * SSC/SA

Where: SSC = Spiked sample concentration
SA = Spike added

$$RPD = |LCS - LCSD| * 2 / (LCS + LCSD)$$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: 3086224 CCS

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 10208A1
SDG #: E3C26034

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1
Reviewer: ✓
2nd reviewer: A

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

N/A Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_s)(I_s)(DF)}{(A_s)(RRF)(V_s)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_s = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 63, K

$$\text{Conc.} = \frac{(4675275)(10)(10)}{(2189627)(0.54294)(1)(1)}$$

$$= \frac{393.265}{393.265} M_2$$

Appendix D

APPENDIX D

Limitations

LIMITATIONS

This report was prepared by Haley & Aldrich, Inc., under the professional direction and review of the registered professionals listed on the cover page. The work described herein was conducted in accordance with generally accepted professional engineering and geologic practice. No other warranty exists, either expressed or implied.

In addition to data collected by and observations made by Haley & Aldrich personnel, this report incorporates site conditions observed and described by others as reported in records available to Haley & Aldrich as of the date of report preparation. Haley & Aldrich relied—in part—on such data collected by others in the development of interpretations about environmental conditions at the Site. The accuracy, precision, or representative nature of data originally generated by others could not be independently verified by Haley & Aldrich and would be beyond the scope of this project.

In addition, the passage of time may result in changes in site conditions, technology, or economic conditions which could alter the findings and/or recommendations of the report.